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POWER WORLD MACHINERY EQUIPMENT CO., LTD.

Headquarters Add.:
No.24, Fourth Industrial Zone, Houting Street, Shajing Town, Baoan District, Shenzhen, China.

Huizhou Production Base.:
No. 1, Zhenxing South 1st Road, Zhihuigu Industrial Park, Shiwan Town, Boluo County, Guangdong Province,China

Website: www.powerworldhp.com E-mail: info@powerworldhp.com After-sales: technical@powerworld-e.com

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POWER WORLD

POWER WORLD
air source heat pump
01 | 2026

One-stop heating cooling

HEAT PUMP SOLUTIONS

Embrace Sustainability, Achieve Zero Emissions In Buildings

- Heating & cooling heat pump
- Hot water heat pump
- Swimming pool heat pump

EN

About Power World

Founded in 2004, stock code 870092

Power World Machinery Equipment Co., Ltd. is one of the largest air-to-water heat pump manufacturers and service providers in China, a leader in the EVI full DC inverter heat pump field and an innovative pioneer in the zero-carbon heat pump field, continuously honored with the top 10 leading brands in China. In the past 22 years, we have been focused on the R&D, production and sales of heat pumps, committed to providing high-quality heating and cooling solutions to users around the world.

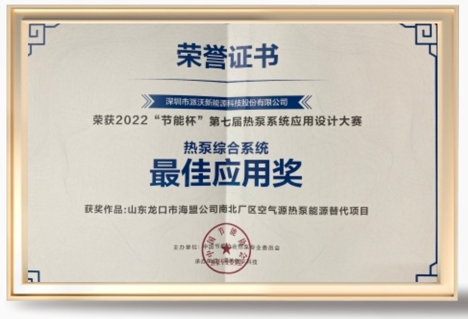
- **200,000 m²** Production Bases
- **Germany** European Service Centers
- **100,000+** Annual export volume
- **500-1000** Employees
- **1000+** Global Service Outlets
- **60-100** R & D team(people)
- **25Days** Shortest lead time
- **400+** Patents

AN INNOVATIVE PIONEER IN THE ZERO-CARBON HEAT PUMP FIELD

- Top 10 Air Source Heat Pump Brands in China
- Top 10 brands of water heaters in Guangdong
- Top 10 outstanding brands in China's heat pump industry
- Outstanding industrial and agricultural drying brands in China's heat pump industry
- Outstanding contribution unit of coal-to-clean energy
- Air source Northern Heating Demonstration Award in China
- "Leading Brand in China's Heat Pump Industry" for 9 consecutive years.
- China Home Appliance Industry "Plug" Award
- National High-tech Enterprise
- Leading Brand of air source heat pumps in China

⑴ 2022 Energy Saving Heat Pump System Application Design Competition
⑵ 2022 China Cooling & Heating Smart Innovation Brand Award
⑶ 2022 China Heat Pump Outstanding Contribution Award

01



荣誉证书

深圳市派沃新能源科技股份有限公司

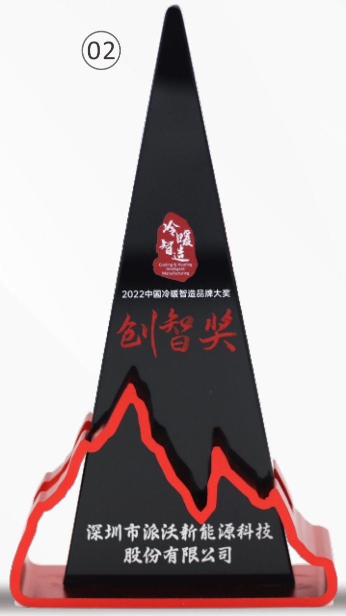
荣获2022“节能杯”第七届热泵系统应用设计大赛

热泵综合系统

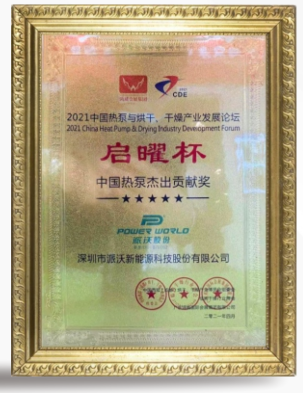
最佳应用奖

获奖作品:山东龙口市海盟公司南北厂区空气源热泵能源替代项目

02



03



2021中国热泵与烘干、干燥产业发展论坛
2021 China Heat Pump & Drying Industry Development Forum

启曜杯

中国热泵杰出贡献奖

★★★★★

POWER WORLD
派沃股份

深圳市派沃新能源科技股份有限公司

Development History

2004

- Founded POWER WORLD, focusing on R&D, production, and sales of air source heat pumps.

2005-2008

- Obtained over 40 patents.
- Recognized as Shenzhen high-tech enterprise.
- Achieved ISO 9001 certification.
- Featured by national media; named among Top 200 Fastest-Growing Enterprises.

2009-2012

- Earned EU CE and China CCC certifications.
- Expanded to 350 service outlets nationwide.
- Enhanced testing capabilities; doubled sales.
- Listed in national energy-saving project catalog.

2013-2016

- Awarded “Shenzhen Famous Brand” and “Most Potential Brand.”
- Won China Home Appliance “Plug” Award (2014).
- Certified as National High-tech Enterprise.
- Products received energy-saving certification.
- Listed on New OTC Market (Stock Code: 870092).

2017-2020

- Awarded “Industry Leading Brand” by China Heat Pump Association.
- Formed strategic cooperation with Danfoss.
- Launched Energy Storage Division and battery thermal management R&D.
- Ranked top three in air source heat pump industry.
- Established Huizhou New Energy Industrial Park.
- Entered PECHF zero-carbon ecosystem.

2021-2026

- Re-certified as National High-tech Enterprise.
- Received China Heat Pump Outstanding Contribution Award.
- Maintained Industry Leading Brand recognition.
- Continued expansion in industrial and agricultural drying sectors.
- Awarded Top-selling Ultra-Silent Air Source Heat Pumps in China

POWER WORLD

POWER WORLD

VISION
Building a world-class brand enterprise

SPIRIT
Constantly strive to become stronger and progress

MISSION
To benefit the world with new energy technology

CODE OF CONDUCT
Work Hard, Learn Continuously, and Exercise Continuously

VALUES
Integrity, kindness, empathy

STRUGGLE SLOGAN
Try your best to do everything today, innovate, and keep up with the times!

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Customer service support

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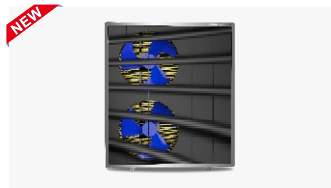
Zero Carbon R290 DC Inverter Heating Cooling & DHW Solutions

R290 H8 Helios Pro Series

* **Model:**6/8/10/12/14/16KW
* **Max water outlet temp:** 75°C
* **ErP grade:** A+++/35°C, A+++ /55°C
* **Noise Lower to 35 dB(A)**
* **R290 LeakAlert system**
* **AI Intelligent Defrost**
* **Power supply:** 230V/1Ph~380V/3Ph
* **Ambient temp:** -25~43°C



R290 H8 Helios Pro Commercial Series

* **Model:** 20/30KW
* **Max water outlet temp:** 75°C
* **ErP grade:** A+++/35°C & 55°C
* **Max COP:** 5.0
* **Max Centralized Control :** 16 Units
* **R290 LeakAlert system**
* **Power supply:** 380-415V, 3N-,50/60Hz
* **Ambient temp:** -25~43°C

R290 Cleanlife Series

* **Model:** 6.0/8.3/11.4/14.8/18.2
  22/24KW
* **Max water outlet temp:** 75°C
* **ErP grade:** A+++/35°C, A++/55°C
* **Max Cop:** 4.69
* **Smart temp adjustment:** 20~70°C
* **Power supply:** 230V/1Ph~380V/3Ph
* **Ambient temp:** -25°C~43°C

R290 Cleanlife Plus Series (Hybrid)

* **Model:** 8.3/11.4/14.8/18.2/22KW
* **Max water outlet temp:** 75°C
* **ErP grade:** A+++/35°C
* **Max COP:** 5.21
* **2-zone temperature control**
* **32 Climate temp curves**
* **Power supply:** 230V/1Ph~380V/3Ph
* **Ambient temp:** -25°C~43°C

Fossil Free EVI DC Inverter Heating Cooling & DHW Solutions

R290 Commercial Series

* **Model:** 50KW
* **Max water outlet temp:** 78°C
* **ErP grade:** A+++/35°C
* **Max SCOP:** 4.57
* **Max cascade control:** 8 Units
* **Timed High-Temperature Disinfection**
* **Power supply:** 380V/1Ph/50~60Hz
* **Ambient temp:** -25°C~43°C

R32 A8 Series

* **Model:** 8.7/14.9/17/20/22.4/14.9/17
  20/22.4/26.5/30/37KW
* **Max water outlet temp:** 60°C
* **Max COP:** 3.79
* **Cascade Up to 8 Units**
* **Power supply:** 220V~/50Hz, 380V
  3N~/50Hz
* **Ambient temp:** -35~45°C

R32 Q5 PRO Series

* **Model:** 9/12.8/16/18/20.3/23/27
  30.6/37.7kW
* **Max water outlet temp:** 60°C
* **Below 60 dB Quiet Operation**
* **Intelligent Defrost**
* **Power supply:** 20V~/50Hz, 380V
  3N~/50Hz
* **Ambient temp:** -35~43°C

R32 Easylife Series

* **Model:** 8.4/13/15.5/18.2/23/28/35KW
* **Max water outlet temp:** 60°C
* **Max cascade:** 8 units
* **Two electric heater control ports**
* **Smart sterilization every 7 days (DHW)**
* **SG-Ready& PV-Ready functions**
* **Power supply:** 230V/1Ph~380V/3Ph
* **Ambient temp:** -30°C~43°C

R290 All in one Water Heater Solutions

R290 All-in-one Water Heater (Indoor Type)

* **ON/OFF system/Enamel Inner tank**
* **Model(1.8KW):** 150/200/250/300L
* **Max water outlet temp:** 75°C
* **Energy efficient class:** A+
* **Noise Lower to 43 dB(A)**
* **CMEV:** Central mechanical extract ventilation
* **Power supply:** 220V/1Ph/50Hz
* **Ambient temp:** -7°C~43°C

R290 All-in-one Water Heater (Indoor Type)

* **ON/OFF system/Enamel Inner tank**
* **Model(1~2.8KW):** 150/200/250/300L
* **Max water outlet temp:** 75°C
* **Energy efficient class:** A+
* **Power supply:** 220V/1Ph/50Hz
* **Ambient temp:** -7°C~43°C
* **Optional:** Zero cold water smart
  control function

R290 All-in-one Water Heater (Outdoor Type)

* **DC Inverter system/Enamel Inner tank**
* **Model:** 200/250/300L
* **Max water outlet temp:** 75°C
* **Max STCS:** 34(Z4~Z5)
* **Power supply:** 220V/1Ph/50~60Hz
* **Ambient temp:** -7°C~43°C
* **Optional:** Zero cold water smart
  control function

Constant Temperature Swimming Pool Heating Solutions

R290 DC Inverter Ultra Quiet Series

* **Pool size:** 15-130m³
* **SG-Ready &PV-Ready functions**
* **ABS plastic, corrosion-resistant and high-temp resistant casing**
* **Heating water temp up to 40°C**
* **Smart WiFi & Intelligent defrost**
* **Power supply:** 220V/1Ph/50Hz-60Hz
* **Ambient temp:** -20°C~43°C

R32 Full DC Inverter Series

* **Pool size:** 15-130m³
* **Model:** 6/8/10/12/14/16KW
* **Heating water temp up to 40°C**
* **COP up to 20.0**
* **Quiet Operation ≤ 40 dB(A)**
* **Smart WiFi & Intelligent defrost**
* **Power supply:** 220V/1Ph/50Hz-60Hz
* **Ambient temp:** -15°C~43°C

R32 DC Inverter Quiet/Quiet Pro Series

* **Pool size:** 15-130m³
* **Model:** 7.5/9.5/11/14/17/20/24
  28/32.5KW
* **Heating water temp up to 40°C**
* **Smart WiFi & Intelligent defrost**
* **COP up to 15.0**
* **Power supply:** 220V/1Ph/50Hz-60Hz
* **Ambient temp:** -7°C~43°C
* **Quiet Pro:** Specifically developed for
  coastal areas

R32 Mini SPA Heat Pump

* **Pool size:** 5-25m³
* **Model:** 2.8/3.5/4/4.5/5.5KW
* **Heating water temp up to 40°C**
* **Smart WiFi & Intelligent defrost**
* **Power supply:** 220V/1Ph/5OHz
  or 220V/1Ph/50Hz-60Hz
* **Ambient temp:** -5°C~43°C

Water Chiller

R32 DC Inverter Ultra Series

* **Pool size:** 25-120m³
* **Model:** 14/17.5/21.5/24.5/28.5
  /32.5KW
* **Heating water temp up to 40°C**
* **Smart WiFi & Intelligent defrost**
* **Power supply:** 220V/1Ph~380V/3Ph
* **Ambient temp:** -15°C~43°C

R290 CoolMini Series Chiller

* **Play and plug type**
* **R290 refrigerant leakage protection**
* **Built-in 5G WiFi Module**
* **Adjustable water outlet temperature:** 3~43°C
* **Power supply:**
  220 ~240V/1Ph/50Hz/60Hz
* **Ambient temp:** -7~43°C

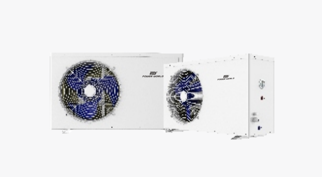
R410A TorridCool Series Chiller

* **Model:** 5.1/6.69/7.31KW
* **Adjustable water outlet temperature:**
  Cooling :10~50°C
  Heating : 25~55°C
* **Noise lower to 53dB(A)**
* **Max EER:** 3.78
* **Power supply:** 220/1Ph/50Hz
* **Ambient temp:** -7°C~52°C

R410A Air-Cooled Modular Chiller

* **Model:** 66/132/260KW
* **ErP grade:** A+++
* **Intelligent defrost**
* **Cascade up to 16 units**
* **Smart Control & BMS Integration**
* **Function:** Cooling and heating
* **Power supply:** 380V3N~/50Hz
* **Ambient temp:** -15~48°C

Hot Water Heat Pump Solutions



R410A Residential Hot Water Heat Pump

* **Model:** 3.5/4.9/6.8/9.5KW
* **Function:** Heating+Cooling
* **Max water outlet temp:** 60°C
* **ErP grade:** A+++/35°C & 55°C
* **Built-in water pump**
* **Automatic defrosting**
* **Power supply:** 220V/1Ph/50Hz
* **Ambient temp:** -7°C~43°C

R410A Commercial Hot Water Heat Pump

***Model:**10.8/19/39/54/78/96/108
172KW
* **Max water outlet temp:** 60°C
* **Intelligent Defrost**
* **24h Hot Water Service**
* **Intelligent PID precise control**
* **Power supply:** 230V/1Ph~380V/3Ph
* **Ambient temp:** -7°C~43°C

Optional Products for Heat Pump System Terminals

R290/R32 HydroBox Solutions

* **Model:** Matches 8~13KW, 18~23KW heat pumps, easily simplifying heat pump system installation steps

* **Power supply:** 230V/1Ph~380V/3Ph

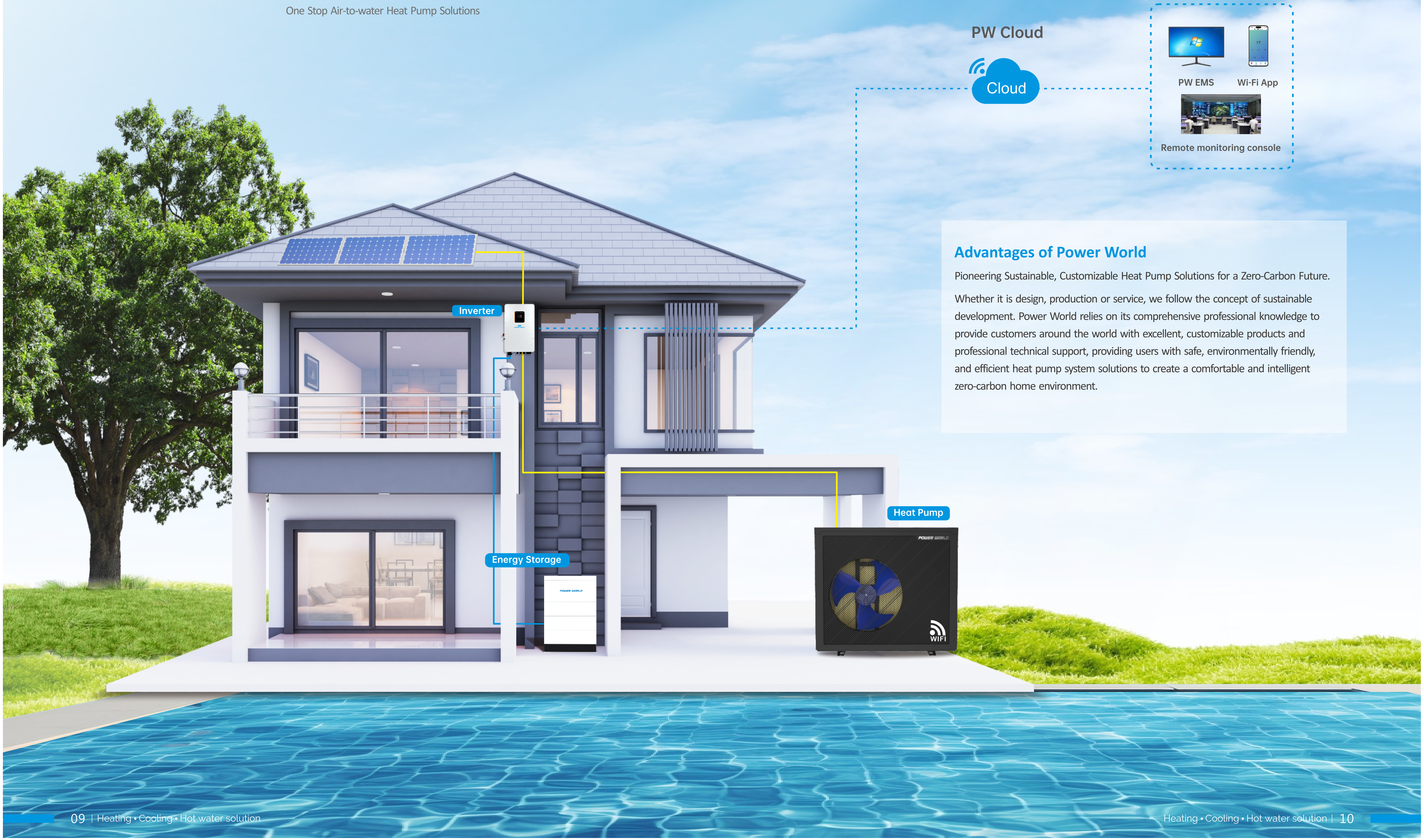
Water Tank Solutions

Buffer Tank
* **Model:** 40/60/80/100/200/250L
* **Inner Tank Material:** Enamel

DHW Tank
* **Model:** 150/200/250/300L
* **Inner Tank Material:** Enamel

Strategies for ZERO CARBON Buildings

One Stop Air-to-water Heat Pump Solutions


PW Cloud
Cloud
PW EMS
Wi-Fi App
Remote monitoring console
Inverter
Energy Storage
Heat Pump
POWER WORLD
WIFI

Advantages of Power World

Pioneering Sustainable, Customizable Heat Pump Solutions for a Zero-Carbon Future.

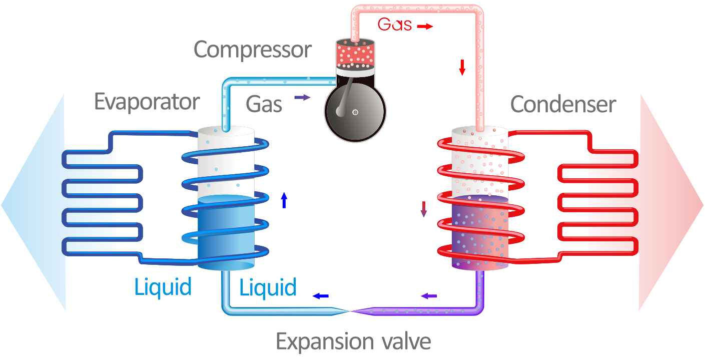
Whether it is design, production or service, we follow the concept of sustainable development. Power World relies on its comprehensive professional knowledge to provide customers around the world with excellent, customizable products and professional technical support, providing users with safe, environmentally friendly, and efficient heat pump system solutions to create a comfortable and intelligent zero-carbon home environment.

Cutting-edge Core Technology

Zero carbon air source heat pump technology

Heat pump technology is based on the principles of the reverse Carnot cycle, which captures heat energy from the surrounding air and transfers it indoors or outdoors to achieve heating and cooling effects. It is widely used in the heating and cooling fields of homes and commercial buildings.

Power World has mastered this technology and continues to innovate in its applications, allowing its heat pump products to achieve exceptional high efficiency and energy savings.


Compressor
Gas
Evaporator
Gas
Condenser
Liquid
Liquid
Expansion valve

Up to 75% of heat energy comes from ambient air

SG-Ready Technology

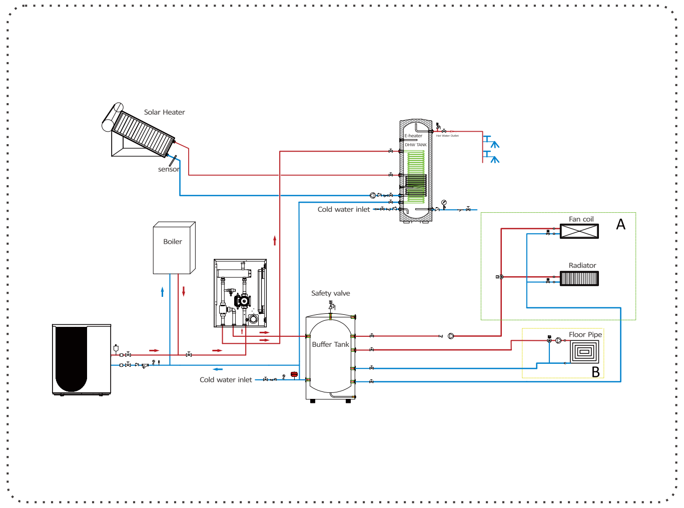
SG-Ready is a function that integrates your equipment with the national smart grid, making the equipment and the grid interconnected. With the expansion of energy-saving policies, SG-Ready will gradually become a necessary function to obtain subsidies.

Power World heat pumps have SG-Ready and PV-Ready functions, which can accept dispatch signals from the power grid, adjust and manage energy usage according to the needs of the power grid, maximize the use of home photovoltaic energy and energy storage battery energy, and reduce energy expenses.

SG
Ready
Smart Heat Pumps
26℃
20℃

Multiple heat source supply

Hybrid heat pump technology is an advanced heat pump system design with super compatibility and can be connected to a variety of heat sources, such as boilers, solar photovoltaic systems, electric heating, etc., and can automatically adjust the heat exchange mode according to the actual situation, allowing the system to with wider applicability and reliability, maximizing energy efficiency.

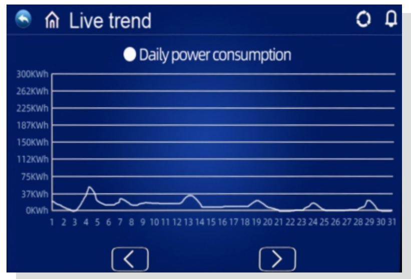

Solar Heater
sensor
E-heater
DHW TANK
Hot Water Outlet
Cold water inlet
Boiler
Fan coil
A
Radiator
Safety valve
Buffer Tank
Floor Pipe
B
Cold water inlet

2 zone temperature control technology

Power World heat pump 2 zone temperature control technology provides an efficient, flexible, smart and customizable solution for maintaining optimal temperatures in different areas of a house or building.

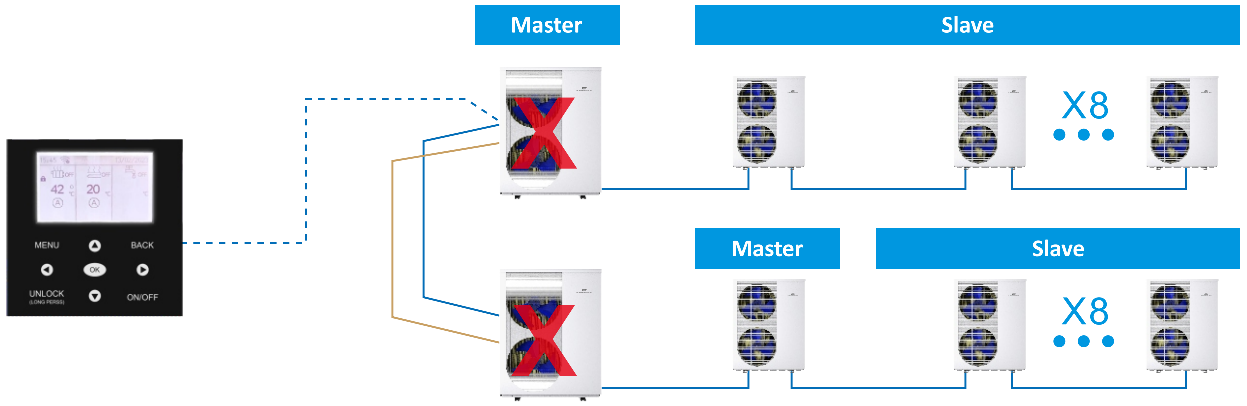
24/7 Overall Energy Management Technology

Various curve data charts, real-time monitoring and intelligent recording of daily / weekly / monthly / yearly energy consumption data. Users could adjust strategies on time based on consumption to save unnecessary energy waste.


Live trend
Daily power consumption
300KWh
262KWh
225KWh
187KWh
150KWh
112KWh
75KWh
37KWh
0KWh
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

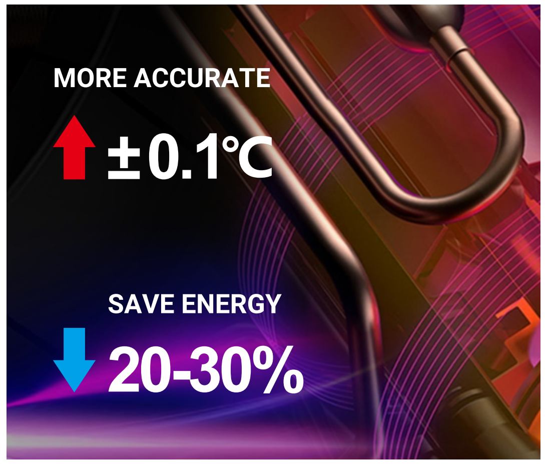
Super Cascading function

Various curve data charts, real-time monitoring and intelligent recording of daily/weekly/monthly/yearly energy consumption data. Users could adjust strategies on time based on consumption to save unnecessary energy waste.


Master
Slave
X8
Master
Slave
X8
42
20
MENU
BACK
UNLOCK
ON/OFF

EVI ultra-low temperature technology

With Power World EVI technology, the heat pump system has a wider operating range and can provide strong heating in extremely cold environments as low as -30°C. Compared with ordinary heat pumps, it operates at a more efficient frequency, making the system more stable and energy-saving.



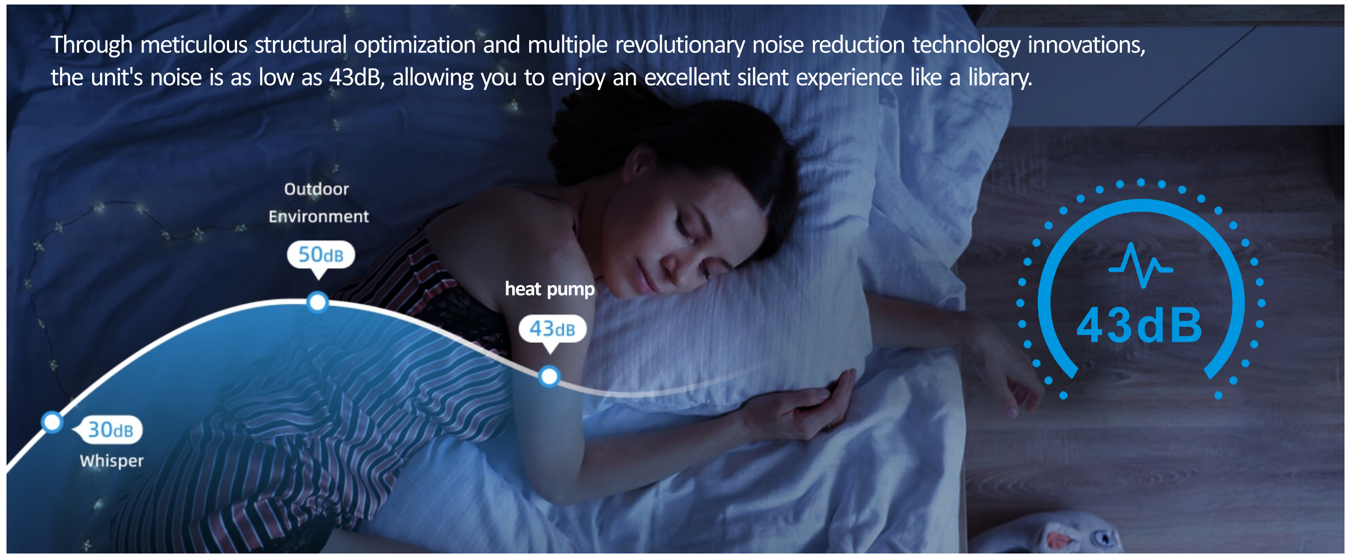
Full DC Inverter technology

Power World heat pump unit utilizes full DC inverter technology, boasting a precision temperature control of up to ±0.1℃. The system responds rapidly to temperature changes, automatically detecting variations in environmental temperatures and adjusting power output accordingly, ensuring a consistently comfortable indoor temperature. Compared to ON/OFF units, this technology can save up to 20-30% in energy consumption.

Comprehensive protection technology

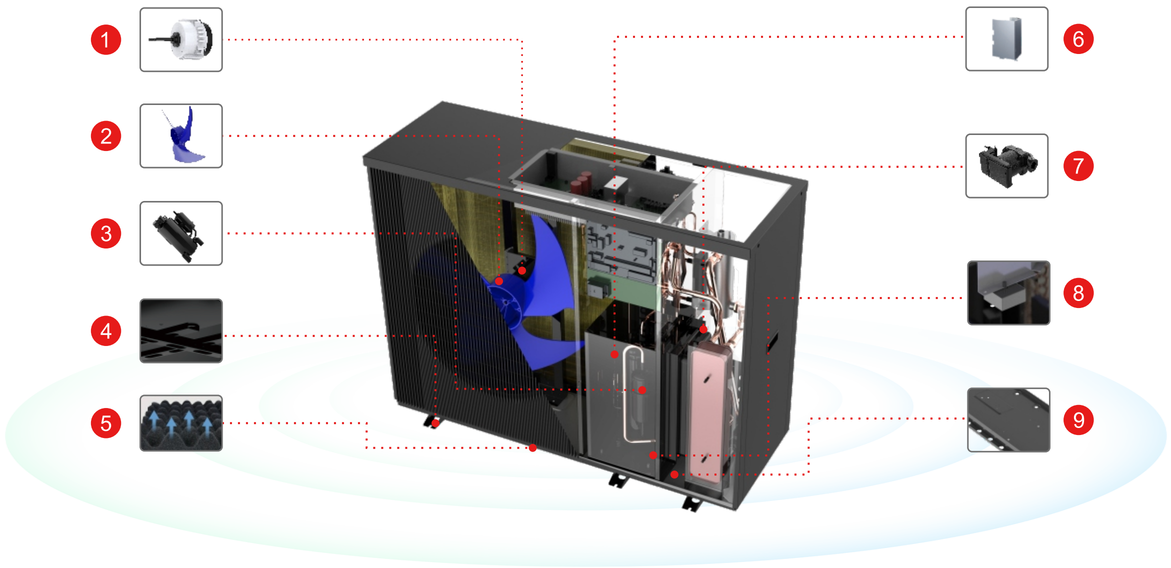
Our cutting-edge technology provides fully intelligent identification and control of key functions such as defrost, antifreeze, power outage, voltage, and water flow, ensuring that the entire unit system is optimally protected and always operates at peak performance.

Innovative Silent technology



Through meticulous structural optimization and multiple revolutionary noise reduction technology innovations, the unit's noise is as low as 43dB, allowing you to enjoy an excellent silent experience like a library.

Key Noise Reduction Innovation Highlights



① **DC inverter brushless motor**
Low noise, intelligent variable speed control

② **Biomimetic fan**
Large air volume, low noise

③ **DC inverter compressor**
Small vibration, low noise, stepless frequency conversion of power

④ **Thickened chassis**

⑤ **PU corrugated sound-absorbing cotton**
The inner wall of the unit is packed with silencer cotton on the sheet metal, compressor, pipelines and other places.

⑥ **Sound insulation sealing shell**
(With soundproof cotton)

⑦ **DC Inverter Water Pump**
Stepless speed regulation, low noise

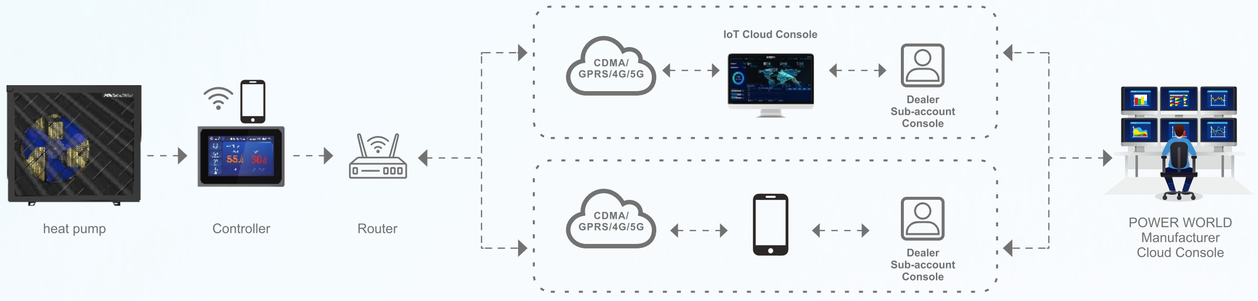
⑧ **Damping shock absorber**

⑨ **Thicker chassis to reduce high and low frequency resonance**

Smart Remote Management System

WiFi App+IoT Cloud Management Platform

Real-time monitoring, data operation and maintenance, and intelligent management mode can maximize the energy efficiency of the building and reduce labor operation and maintenance costs and user energy bills.


heat pump
Controller
Router
IoT Cloud Console
CDMA/ GPRS/4G/5G
Dealer Sub-account Console
CDMA/ GPRS/4G/5G
Dealer Sub-account Console
POWER WORLD Manufacturer Cloud Console

Smart Life/Tuya Smart App Control

Built-in WiFi module, can directly connect to the Internet without installing a WIFI box. Anytime, anywhere, easily monitor and control your heat pump system.

IoT Cloud Management Platform

Big data management:

Global device data collection, statistics, analysis and management.

Equipment management:

information statistics/operation status/parameter viewing and setting/fault diagnosis report/operation log, etc.

OTA upgrade:

quickly fix code defects and remotely iteratively upgrade product mainboards.

- 15 Languages available
- Operational control
  (mode selection, parameter setting and adjustment, etc.)
- Real-time operating data monitoring
- Troubleshooting and reporting
- Energy consumption monitor and manage

09:26
My house heat pump
27
Water outlet temp.
Water inlet temp.
38°C
Water tank temp.
26°C
Ambient temp.
24°C
Work mode
DHW+Heating
Operating mode
Smart
ON/OFF
Work mode
State
Setting
WIFI

Full Certificates

Industry Recognition, Quality Assurance

Power World is an internationally certified brand dedicated to delivering reliable, hiah-auality products that meet alobaltechnical standards. Our certifications include CE, KEYMARK, MCS, TUV (ERP Report), RoHS, WaterMark, OceanalMark, andinclusion in the BAFA Heat Pump Subsidy List .

Market Leadership Certified

No.1 in Sales Volume for Ultra-Silent Air Source Heat Pumps in China.

INNOVATION AWARDS

in the Heat Pump industry

100+ Honors and Qualifications

200+ Patent Technologies

200+ Product Certification

CERTIFICATE
TOP 1

Extensive Market Applications

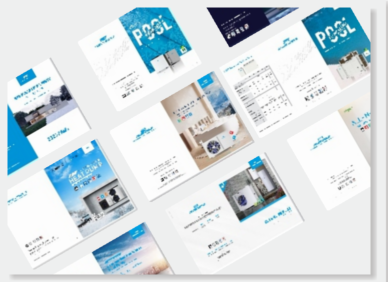
Power World heat pump products get great reviews. Each year, over 300,000 heat pump units are sold to more than 60 countries and regions worldwide, including Poland, the UK, Australia, Sweden, the Czech Republic, Germany, France, Spain, South Africa, India, Australia, the United States, Brazil, etc. Our export volume ranks among the top 5 in the Chinese industry.

COUNTRY **60+**

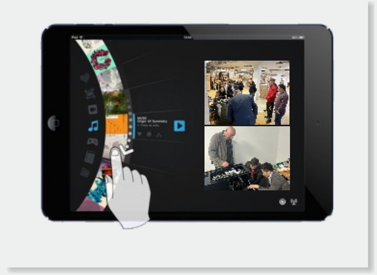
HEAT PUMP **300,000+**

Marketing Material Synchronization

Power World provides our clients with in-house marketing materials, including factory videos, installation cases, product brochures/catalog, and posters, to help you better expand your market.



Product brochure/catalog



Media promotional materials

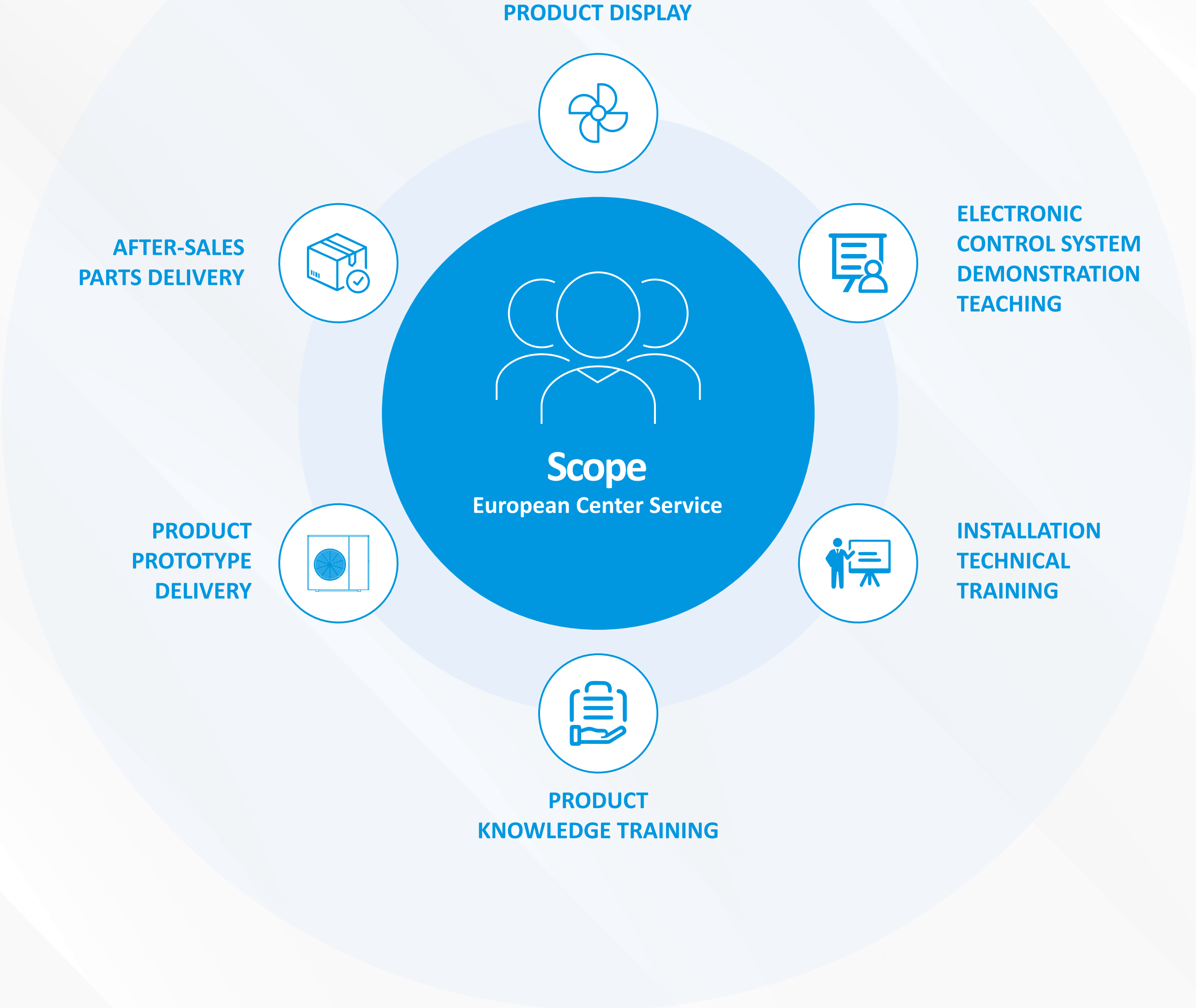
Technical training materials

Customer service support

European Customer Service Center (Germany)

We are dedicated to delivering high-quality heat pump solutions that meet the unique requirements of the European market, while maintaining our reputation for innovation, efficiency, and reliability. In order to better demonstrate Power World's commitment to localization support and excellent service, we have set up European customer service centers in Germany.

- 24 HOURS HOTLINE SERVICE
- ONLINE+REGULAR CLIENT VISIT TRAINING
- ON-SITE SERVICE
- WARRANTY &REPAIRING SERVICE
- SPARE PARTS SERVICE



PRODUCT DISPLAY

AFTER-SALES PARTS DELIVERY

ELECTRONIC CONTROL SYSTEM DEMONSTRATION TEACHING

Scope
European Center Service

PRODUCT PROTOTYPE DELIVERY

INSTALLATION TECHNICAL TRAINING

PRODUCT KNOWLEDGE TRAINING

POWER WORLD

- ✓ 2 YEARS FULL MACHINE WARRANTY
- ✓ 5 YEARS COMPRESSOR WARRANTY
- ✓ 7 YEARS HEAT EXCHANGER WARRANTY

2 YEAR WARRANTY

5 YEAR WARRANTY

7 YEAR WARRANTY

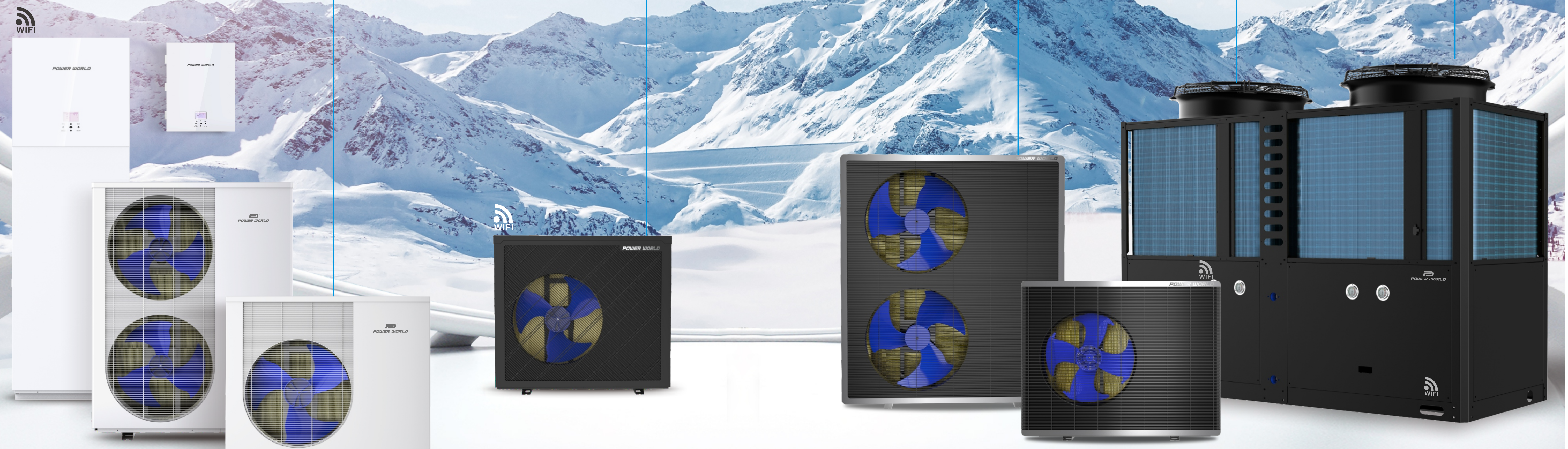
Note: Warranty terms and durations vary by product series and are negotiable.

POWER WORLD
EUROPEAN SERVICE CENTER

* After-sales service:
Based on the evaluation of the actual after-sales situation, Power World dispatches engineers to the local area to be responsible for after-sales service or remotely provides after-sales guidance, or Power World agents are responsible for after-sales service. Our professional after-sales team is available 24/7 to provide prompt assistance.

Zero Carbon Heating Cooling & DHW Solutions

R290 refrigerant can be obtained directly from natural gas. With its low GWP value, high heat exchange efficiency, good and stable performance, zero carbon emissions, and low charge, it is considered by the industry to be the most environmentally friendly refrigerant with the most potential in the world.



R290 CLEANLIFE PLUS SERIES

DC INVERTER HYBRID HEAT PUMP

R290 CLEANLIFE SERIES

DC INVERTER HEAT PUMP MONOBLOCK

R290 H8 Helios Pro Commercial SERIES

DC INVERTER HEAT PUMP MONOBLOCK

R290 H8 Helios Pro SERIES

DC INVERTER HEAT PUMP MONOBLOCK

R290 COMMERCIAL SERIES

FULL DC INVERTER HEAT PUMP

R290 SERIES CLEANLIFE

DC Inverter Heat Pump / Monoblock

Wi-Fi
POWER WORLD
POWER WORLD

R290 Cleanlife Series

The preferred heat pump solution for zero-carbon buildings, specially designed for smart energy-saving home.

R-290
35°C/55°C
A+++
1-230V or 3-380V

Features

- R290 refrigerant, low GWP(GWP=3)
- **Energy class:** A+++/35°C, A++/55°C
- Outlet water temperature up to 75°C
- **4 Operating modes:** Powerful/Smart/Silent/Vacation
- Noise as low as 43dB(A) at 1Meter
- Maximum cascading 8 units
- Available in 15 languages
- Smart sterilization every 7 days
- 20~70°C Smart temp adjustment
- Smart Life WIFI App & IoT Cloud Management Platform
- Reserved electric auxiliary heating port & RS485 Communication Port
- Various curve data charts, 24/7 comprehensive energy monitoring and management

WIFI
POWER WORLD

WIFI
POWER WORLD

Water pump optional: built-in/none
Wide Ambient Temp -25°C~43°C
Model: 8.3/11.4/14.8/18.2/22/24KW

R290 zero carbon | 4.69 SCOP MAX | A+++ Energy-Saving | 75°C High temp Water outlet | SG Ready | PV-READY

HIGHLY DC Inverter Compressor 230V/1Ph/50Hz/60Hz

Residential heat pump (built-in water pump)

Model		PW020-DKZLRS-E/S	PW030-DKZLRS-E/S	PW040-DKZLRS-E/S	PW050-DKZLRS-E/S	PW055-DKZLRS-E/S	PW060-DKZLRS-E/S	PW070-DKZLRS-E/S
Heating Condition - Ambient Temp.(DB/WB):7/6°C,Water Temp.(In/Out):30/35°C								
Heating Capacity Range (kw)		2.5~6.0	3.3~8.3	4.5~11.4	5.9~14.8	7.2~18.2	8.8~22.0	9.6~24.0
Heating Power Input Range(kw)		0.48~1.44	0.64~2.18	0.85~2.95	1.13~3.83	1.38~4.65	1.68~5.77	1.83~6.30
Cop Range		4.16~5.21	3.81~5.17	3.86~5.29	3.86~5.22	3.91~5.22	3.81~5.24	3.81~5.24
DHW Condition-Ambient Temp.(DB/WB)7/6°C,Water Temp.(In/Out):15/55°C								
Heating Capacity Range (kw)		2.6~5.3	3.7~7.4	5.2~10.2	6.6~13.2	7.2~16.2	7.8~17.6	8.8~19.6
Heating Power Input Range(kw)		0.56~1.50	0.79~2.10	1.10~2.87	1.41~3.73	1.54~4.58	1.67~5.01	1.89~5.60
Cop Range		3.53~4.64	3.52~4.69	3.55~4.71	3.54~4.67	3.54~4.67	3.51~4.66	3.50~4.66
Heated Water Output (l/h)		114	159	219	283	348	377	421
Cooling Condition - Ambient Temp.(DB/WB)35/24°C,Water Temp.(In/Out):12/7°C								
Cooling Capacity Range (kw)		1.7~4.2	2.4~5.8	3.3~8.2	4.3~10.8	5.6~14.1	6.2~15.3	6.9~17.0
Cooling Power Input Range(kw)		0.53~1.37	0.79~2.19	1.08~3.07	1.39~3.99	1.80~5.38	1.99~5.60	2.21~6.49
EER Range		3.06~3.20	2.65~3.04	2.67~3.06	2.71~3.10	2.62~3.11	2.73~3.12	2.62~3.12
Space Heating (According to EN14825:2022) Average Climate Water Outlet 35°C	Rated heat output (kW)	4.19	5.82	7.89	9.95	12.20	13.97	16.01
	ErP Level	A+++	A+++	A+++	A+++	A+++	A+++	A+++
	Sound pressure level (dB(A)) at 1 meter	35	44	43	45	41	37	43
	Sound power level (dB(A))	49	58	57	59	57	53	58
Space Heating (According to EN14825:2022) Average Climate Water Outlet 55°C	Rated heat output (kW)	4.15	5.59	8.70	9.23	12.16	14.08	15.80
	ErP Level	A++	A++	A++	A++	A++	A++	A++
	Sound pressure level (dB(A)) at 1 meter	35	44	47	46	43	40	43
	Sound power level (dB(A))	49	58	61	60	59	56	58
Power Supply		230V/1Ph/50Hz/60Hz						
Diameter Of Pipe (mm)		DN25	DN25	DN25	DN25	DN25	DN25	DN32
Max water head(m)		7.5	9	9	9	12	12	12
Net Weight (kg)		95	112	120	138	165	170	220
Body size(W*D*H) (mm)		1080×440×761	1080×460×820	1080×460×960	1080×480×1060	1080×480×1372	1080×480×1372	1160×480×1580
Operation Ambient Temp. (°c)		-25~43						
Operating Water Temperature (°c)		28~65(DHW)						
Operating Water Temperature (°c)		15~70(Heating)						
Operating Water Temperature (°c)		7~35(Cooling)						

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.

HIGHLY DC Inverter Compressor 380V/1Ph/50Hz~60Hz

Commercial heat pump (built-in water pump)

Model		PW040-DKZLRS-E	PW050-DKZLRS-E	PW055-DKZLRS-E	PW060-DKZLRS-E	PW070-DKZLRS-E
Heating Condition - Ambient Temp.(DB/WB):7/6°C,Water Temp.(In/Out):30/35°C						
Heating Capacity Range (kw)		4.5~11.4	5.9~14.8	7.2~18.2	8.8~22.0	9.6~24.0
Heating Power Input Range(kw)		0.85~2.95	1.13~3.83	1.38~4.65	1.68~5.77	1.83~6.30
Cop Range		3.86~5.29	3.86~5.22	3.91~5.22	3.81~5.24	3.81~5.24
DHW Condition-Ambient Temp.(DB/WB)7/6°C,Water Temp.(In/Out):15/55°C						
Heating Capacity Range (kw)		5.2~10.2	6.6~13.2	7.2~16.2	7.8~17.6	8.8~19.6
Heating Power Input Range(kw)		1.10~2.87	1.41~3.73	1.54~4.58	1.67~5.01	1.89~5.60
Cop Range		3.55~4.71	3.54~4.67	3.54~4.67	3.51~4.66	3.50~4.66
Heated Water Output (l/h)		219	283	348	377	421
Cooling Condition - Ambient Temp.(DB/WB)35/24°C,Water Temp.(In/Out):12/7°C						
Cooling Capacity Range (kw)		3.3~8.2	4.3~10.8	5.6~14.1	6.2~15.3	6.9~17.0
Cooling Power Input Range(kw)		1.08~3.07	1.39~3.99	1.80~5.38	1.99~5.60	2.21~6.49
EER Range		2.67~3.06	2.71~3.10	2.62~3.11	2.73~3.12	2.62~3.12
Space Heating (According to EN14825:2022) Average Climate Water Outlet 35°C	Rated heat output (kW)	7.61	10.27	12.17	14.05	15.96
	ErP Level	A+++	A+++	A+++	A+++	A+++
	Sound pressure level (dB(A)) at 1 meter	43	44	41	45	42
	Sound power level (dB(A))	58	59	56	60	58
Space Heating (According to EN14825:2022) Average Climate Water Outlet 55°C	Rated heat output (kW)	8.10	12.17	12.03	13.47	15.86
	ErP Level	A++	A++	A++	A++	A++
	Sound pressure level (dB(A)) at 1 meter	42	45	43	46	43
	Sound power level (dB(A))	57	59	58	62	58
Power Supply		380V/3Ph/50-60Hz				
Diameter Of Pipe (mm)		DN25	DN25	DN25	DN25	DN32
Max water head(m)		9	9	12	12	12
Net Weight (kg)		120	138	165	170	220
Body size(W*D*H) (mm)		1080×460×960	1080×480×1060	1080×480×1372	1080×480×1372	1160×480×1580
Operation Ambient Temp. (°c)		-25~43				
Operating Water Temperature (°c)		28~65(DHW)				
Operating Water Temperature (°c)		15~70(Heating)				
Operating Water Temperature (°c)		7~35(Cooling)				

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.

HIGHLY DC Inverter Compressor

Without Circulating Water Pump

Model	PW030-DKZLRS-E/S	PW040-DKZLRS-E/S	PW050-DKZLRS-E/S	PW040-DKZLRS-E	PW050-DKZLRS-E	PW060-DKZLRS-E
Heating Condition - Ambient Temp.(DB/WB)7/6°C,Water Temp.(In/Out):30/35°C						
Heating capacity range (kw)	3.3~8.3	4.5~11.4	5.9~14.8	4.5~11.4	5.9~14.8	8.8~22.0
Heating Power Input Range(kw)	0.64~2.18	0.85~2.95	1.13~3.83	0.85~2.95	1.13~3.83	1.68~5.77
Cop range	3.81~5.17	3.86~5.29	3.86~5.22	3.86~5.29	3.86~5.22	3.81~5.24
DHW Condition-Ambient Temp.(DB/WB)7/6°C,Water Temp.(In/Out):15/55°C						
Heating Capacity Range (kW)	3.7~7.4	5.2~10.2	6.6~13.2	5.2~10.2	6.6~13.2	7.8~17.6
Heating Power Input Range(kW)	0.79~2.10	1.10~2.87	1.41~3.73	1.10~2.87	1.41~3.73	1.67~5.01
COP Range	3.52~4.69	3.55~4.71	3.54~4.67	3.55~4.71	3.54~4.67	3.51~4.66
Heated water output (L/H)	159	219	283	219	283	377
Cooling Condition - Ambient Temp.(DB/WB)35/24°C,Water Temp.(In/Out):12/7°C						
Cooling Capacity Range (kW)	2.4~5.8	3.3~8.2	4.3~10.8	3.3~8.2	4.3~10.8	6.2~15.3
Cooling Power Input Range(kW)	0.79~2.19	1.08~3.07	1.39~3.99	1.08~3.07	1.39~3.99	1.99~5.60
EER Range	2.65~3.04	2.67~3.06	2.71~3.10	2.67~3.06	2.71~3.10	2.73~3.12
ErP Level (35°C)	A+++	A+++	A+++	A+++	A+++	A+++
ErP Level (55°C)	A++	A++	A++	A++	A++	A++
Power supply	230V/1Ph/50Hz/60Hz			380V/3Ph/50-60Hz		
Diameter of pipe (mm)	DN25	DN25	DN25	DN25	DN25	DN25
Water Flow(m3/h)	1.43	1.96	2.55	1.96	2.55	3.78
Water Pressure Drop (max) kPa	30	35	40	35	40	45
Sound pressure level (dB(A))	44	43	45	43	44	45
Net Weight (kg)	110	118	135	118	135	168
Body size(W*D*H) (mm)	1080×460×820	1080×460×960	1080×480×1060	1080×460×960	1080×480×1060	1080×480×1372
IP Grade (Level of protection)	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4
Anti-electric shock Rate	I	I	I	I	I	I
Refrigerant	R290	R290	R290	R290	R290	R290
Operation Ambient Temp. (°C)	-25~43					
Operating water temperature (°C)	28~65(DHW)					
Operating water temperature (°C)	15~70(Heating)					
Operating water temperature (°C)	7~35(Cooling)					

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.

Panasonic EVI DC Inverter Compressor

Model	PW030-DKZLRS-E2/S	PW040-DKZLRS-E2	PW050-DKZLRS-E2	PW060-DKZLRS-E2
Heating Condition - Ambient Temp.(DB/WB)7/6°C,Water Temp.(In/Out):30/35°C				
Heating capacity range (kw)	3.8~9.5	4.5~12.0	6.6~16.0	8.5~20.5
Heating Power Input Range(kw)	0.73~2.43	0.85~3.06	1.26~4.08	1.63~5.25
Cop range	3.90~5.20	3.92~5.29	3.92~5.23	3.90~5.21
DHW Condition-Ambient Temp.(DB/WB)7/6°C,Water Temp.(In/Out):15/55°C				
Heating Capacity Range (kW)	3.8~8.0	5.2~11.0	7.2~15.0	8.8~17.6
Heating Power Input Range(kW)	0.81~2.27	1.10~3.12	1.54~4.26	1.89~5.01
COP Range	3.52~4.69	3.52~4.72	3.52~4.68	3.51~4.66
Heated water output (L/H)	171	236	326	377
Cooling Condition - Ambient Temp.(DB/WB)35/24°C,Water Temp.(In/Out):12/7°C				
Cooling Capacity Range (kW)	2.4~5.8	3.3~8.2	4.3~10.5	6.1~15.0
Cooling Power Input Range(kW)	0.79~2.32	1.08~3.28	1.39~4.29	1.96~5.73
EER Range	2.50~3.04	2.50~3.06	2.45~3.10	2.62~3.11
Power supply	230V/1Ph/50Hz/60Hz	380V/3Ph/50-60Hz		
Diameter of pipe (mm)	DN25			
Noise dB(A)	≤47	≤50	≤52	≤53
Net Weight (kg)	117	125	143	175
Body size(W*D*H) (mm)	1080×460×820	1080×460×960	1080×480×1060	1080×480×1372
Packing size(W*D*H)(carton)	1100×490×960	1100×490×1110	1100×490×1210	1100×490×1510
Packing size(W*D*H)(Polywood)	1140×520×974	1140×520×1120	1140×520×1220	1140×520×1520
Loading quantity (carton)	48/96	48/96	24/96	24/48
Loading quantity (Polywood)	44/88	44/88	22/88	22/44
IP Grade (Level of protection)	IPX4	IPX4	IPX4	IPX4
Anti-electric shock Rate	I	I	I	I
Operation Ambient Temp. (°C)	-25~43			
Operating water temperature (°C)	28~65(DHW)			
Operating water temperature (°C)	15~70(Heating)			
Operating water temperature (°C)	7~35(Cooling)			

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.

R290 SERIES

CLEANLIFE

DC Inverter Hybrid Heat Pump

PLUS

Wi-Fi
POWER WORLD

R290 Cleanlife Plus Series

Zero-carbon building heat pump solutions with greater compatibility and flexibility.

R-290

35°C/55°C

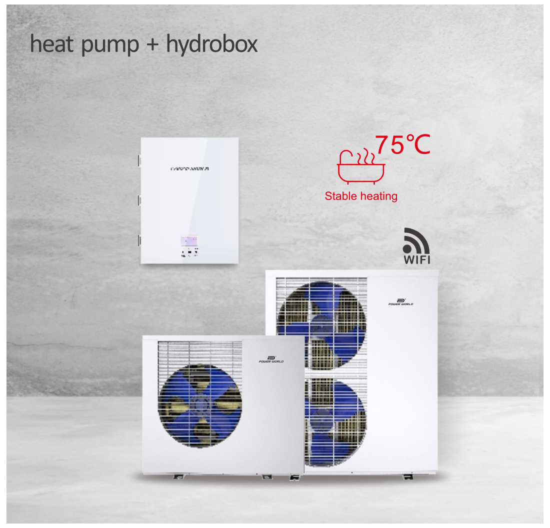
A+++

1-230V or 3-380V

Features

- R290 refrigerant, low GWP(GWP=3)
- Combined supply of multiple heat sources
- Auxiliary heat source (AHS) control
- Solar energy smart control
- Tank booster heater smart control
- 2-zone temperature control
- Outlet water temperature up to 75°C
- Noise as low as 47dB(A) at 1Meter
- Maximum cascading 8 units
- Available in 8 languages
- Smart sterilization(custom time)
- Built-in thermal sensor in controller
- 32 Climate temp curves for automatic temp adjustment
- Smart Life WIFI App & IoT Cloud Management Platform
- Reserved electric auxiliary heating port & RS485 Communication Port

heat pump + hydrobox

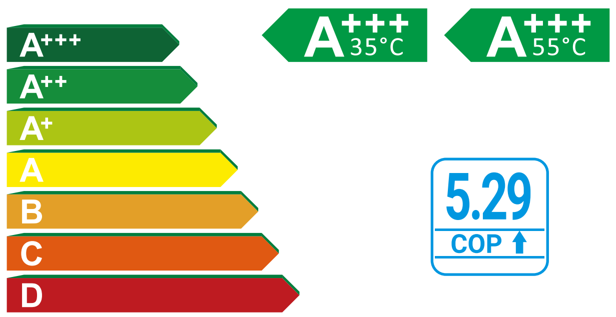


heat pump + integrated Water Tank

75°C
Stable heating
WIFI

Model: 8.3/11.4/14.8/18.2/22KW
Wide Ambient Temp -25°C~43°C

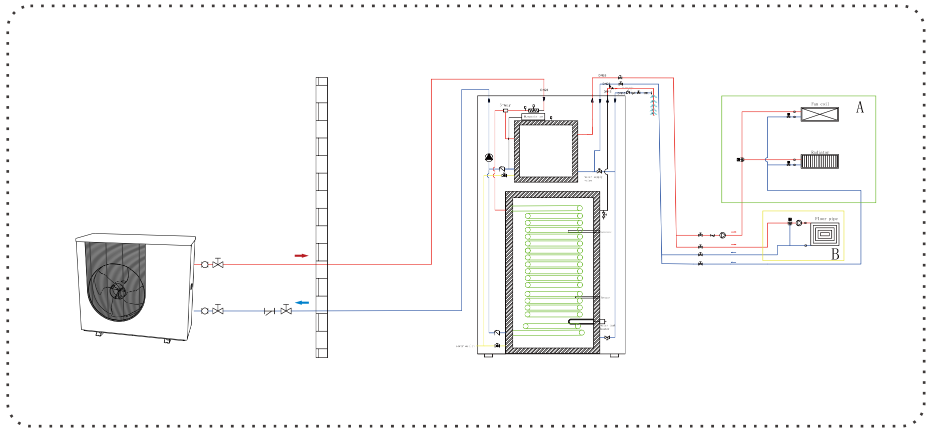
R290 zero carbon | 2 Zone Temp Control | A+++ Energy-Saving | 75°C High temp Water outlet | SG Ready Smart Heat Pumps | PV-READY



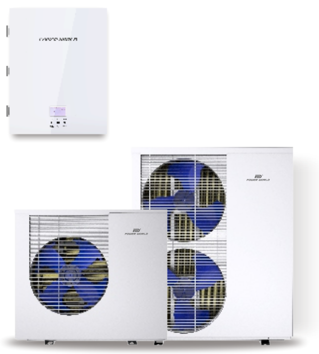
Compatible boiler
Multiple heat sources joint supply

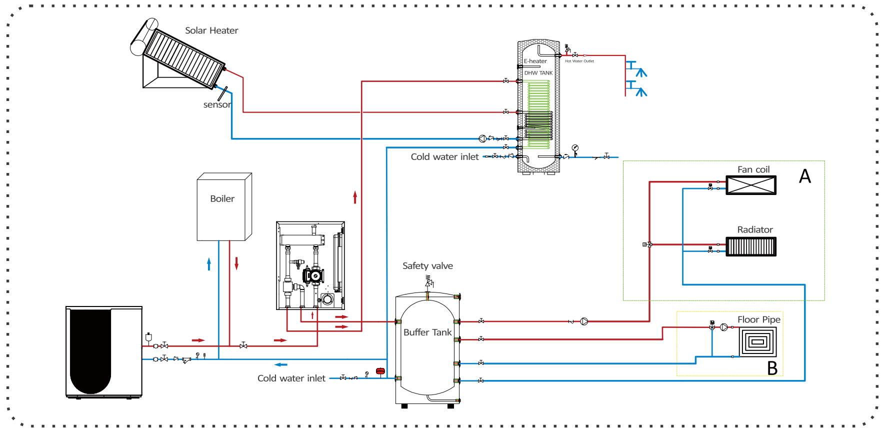
01 Outdoor Unit + Indoor Unit (Integrated DHW Tank)

Solar Coil Optional: Built-in/None



02 HEAT PUMP (OUTDOOR UNIT) + HYDRO BOX (INDOOR UNIT)





Outdoor unit

(Mitsubishi Compressor)

DC INVERTER HEAT PUMP FOR COOLING HEATING AND DHW (R290)		OUTDOOR UNIT		
Model	**PW030-DKZLRS-E1/S(ODU)**	**PW040-DKZLRS-E1/S(ODU)**	**PW050-DKZLRS-E1(ODU)**	**PW055-DKZLRS-E1(ODU)**
Heating Condition - Ambient Temp.(DB/WB):7/6°C,Water Temp.(In/Out):30/35°C				
Heating Capacity Range (kw)	6.0	8.0	10	14
Heating Power Input Range(kw)	1.25	1.67	2.08	2.92
Cop Range	4.80	4.79	4.80	4.80
Heating Condition - Ambient Temp.(DB/WB):7/6°C,Water Temp.(In/Out):47/55°C				
Heating Capacity Range (kw)	6.0	8.0	9.6	14
Heating Power Input Range(kw)	1.86	2.49	2.95	4.38
Cop Range	3.22	3.21	3.25	3.20
DHW Condition-Ambient Temp.(DB/WB)7/6°C,Water Temp.(In/Out):15/55°C				
Heating Capacity Range (kw)	7.0	9.0	10.6	15.6
Heating Power Input Range(kw)	1.61	2.07	2.47	3.62
Cop Range	4.36	4.35	4.29	4.31
Heated Water Output (l/h)	150	194	228	335
Cooling Condition - Ambient Temp.(DB/WB)35/24°C,Water Temp.(In/Out):12/7°C				
Cooling Capacity Range (kw)	6.0	8.0	8.9	12.8
Cooling Power Input Range(kw)	1.89	2.53	2.74	4.25
EER Range	3.18	3.16	3.25	3.01
Power Supply	230V/1Ph/50Hz/60Hz		380V/3Ph/50-60Hz	
ERP Level (35°c)	A+++			
ERP Level (55°c)	A+++			
Refrigerant	R290			
Diameter Of Pipe (mm)	DN25	DN25	DN25	DN25
Noise dB(a)	≤46	≤48	≤52	≤53
Net Weight (kg)	118	126	130	166
Net Dimension (L/W/H) mm	1202×520×1060	1202×520×1060	1147×539×1396	1147×539×1396
Operation Ambient Temp. (°c)	-25~43			
Operating Water Temperature (°c)	20~65(DHW)			
Operating Water Temperature (°c)	20~70(Heating)			
Operating Water Temperature (°c)	7~35(Cooling)			

Hydro Module

HYDRO MODULE **INDOOR UNIT**

Model	PW030/040-E/S(IDU)	PW050/060-E(IDU)
3-Way Valve	ACOL/DN25	ACOL/DN25
Electric Heater	3kW/220V	3kW/220V
DC Inverter Water Pump	Shimge	Shimge
Max water head(m)	9	12
Expansion Tank(L)	8L	8L
Diameter of pipe (mm)	DN25	DN25
Safety valve(MPa)	0.3	0.3
Leakage Switch(A)	Schneider/40A	Schneider/32A
Cabinet	Galvanized powder coated steel	
Package	Splint/Carton	
Power Supply	230V/1Ph/50-60Hz	380V/3Ph/50-60Hz
Net Weight(kg)	42	
Gross Weight(kg)	55	
Net Dimension(mm)	675*540*280	675*540*280
Applicable Models	PW030/PW040(Single phase)	PW050/PW060(Three-phase)

POWER WORLD

Integrated DHW Tank

INTEGRATED DHW TANK **INDOOR UNIT**

Model	PW030/040-E/S(IDU)	PW050/060-E(IDU)
3-Way Valve	ACOL/DN25	ACOL/DN25
Hot water tank	190L	240L
Electric Heater	3kW+3kW/220V	
DC Inverter Water Pump	Shimge	
Max water head(m)	12	
Buffer Tank Volume(L)	30	
Expansion Tank(L)	8L	
Max working temp(°c)	75	
Max working pressure(MPa)	1	
Diameter of pipe (mm)	4-DN25/2-DN15	
Safety valve(MPa)	0.3	
Leakage Switch(A)	Schneider/40A	
Cabinet	Galvanized powder coated steel	
Package	Splint/Carton	
Power Supply	230V/1Ph/50-60Hz	380V/3Ph/50-60Hz
Noise dB(A)	≤45	
Net Weight(kg)	165	200
Gross Weight(kg)	190	230
Net Dimension(mm)	640*598*1850	640*598*2135
Packing Dimension(mm)	710*638*1970	710*638*2255
Applicable Models	PW030/PW040(Single phase)	PW050/PW060(Three-phase)

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.

Zero Carbon Heating Cooling & DHW Solutions
H8
Helios
Pro Series
Full DC Inverter Monoblock Heat Pump
NEW
POWER WORLD

H8 Helios Pro Series

The H8 Helios Pro Series is a high-efficiency, full DC inverter monoblock heat pump using eco-friendly R290 refrigerant, delivering heating, cooling, and instant DHW up to 75°C even in extreme climates as low as -25°C.

R-290

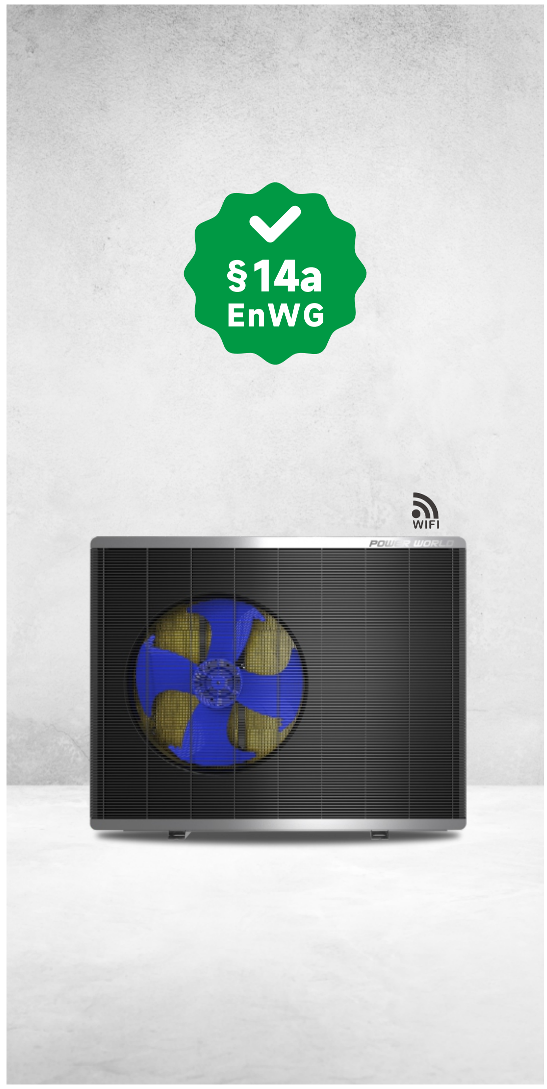
35°C/55°C

A+++

230V/1Ph/50-60Hz

Features

- R290 refrigerant, low GWP(GWP=3)
- ERP Level A+++ at both 35°C and 55°C
- 75°C high-temp water outlet
- -25°C cold climate operation
- AI intelligent defrost technology
- Noise Lower to 35 dB(A) at 1meter
- Two-level refrigerant leakage protection
- 8 pre-set & 1 custom smart temperature curve control
- Maximum cascading 8 units
- 3-zone temperature control
- Intelligent 7-inch touchscreen controller
- Smart life WIFI app & IoT cloud management platform
- §14a EnWG Grid-Compliant Operation


§14a
EnWG
WIFI
POWER WORLD

R290 zero carbon

SG Ready Smart Heat Pumps

PV-READY

-25°C Operation

35dB

A+++ Energy-Saving

75°C high-temp water outlet

AI intelligent defrost

15% LFL
When refrigerant leakage exceeds

Two-Level Refrigerant Leakage Protection

Dual-layer mechanism keeps refrigerant out of indoor areas, delivering complete safety assurance.

LEAKAGE SENSOR

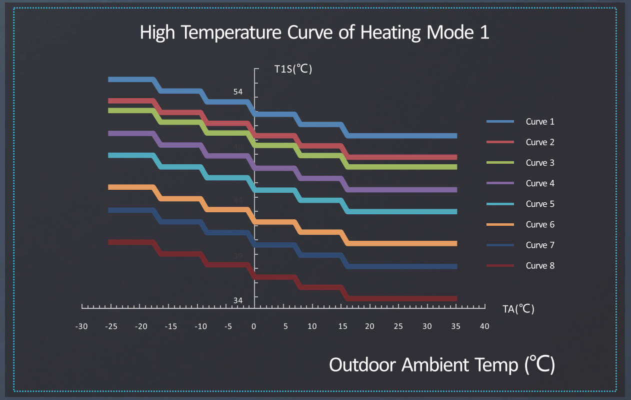
Alarms at **15% LFL**, automatically stopping key components while maintaining minimal ventilation.

MICROBUBBLE EXHAUST VALVE

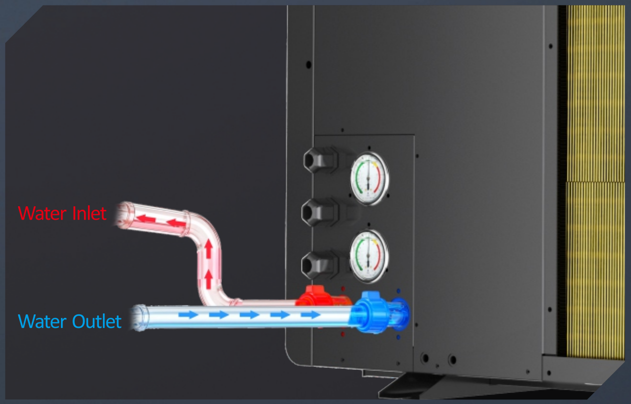
Automatically vents refrigerant that leaks into the water circuit, preventing it from entering the room and ensuring operational safety.

Smart Temperature Curve Control

Select a pre-set curve and let the system do the rest. It automatically adjusts the water temperature based on real-time outdoor conditions, eliminating the need for manual setting changes.



- 8 Pre-set & 1 Custom Curve for heating and cooling
- Auto-Adjusts target water temperature
- Perfect Fit for any local climate



Centralized Connections Simplified Installation

The water inlet and outlet are neatly grouped at the bottom, creating a professional appearance and enabling quick, easy installation and maintenance.

Intelligent 7-Inch Touchscreen Controller

Command your heating and cooling system with elegance and ease through our expansive 7-inch high-end capacitive touchscreen. Designed for a superior user experience, it features a beautifully intuitive interface (UI) that puts comprehensive control at your fingertips.

Multi-unit Control
Seamlessly manage up to 8 cascaded units with independent three-zone temperature control.

Smart Connectivity
BMS (Modbus) integration, PV-ready, and external heat source control.

Data Insights
Track energy use, heating output, and export history.

Custom Automation
Holiday mode, timers, sanitization, and power limits.

POWER WORLD
27/02/2025
09:52
SC
PWR SEL
TIMER
M
58℃
60℃
35℃
38℃
45℃
50℃
54℃
23℃
ZONE B1
ZONE B2
ZONE A

Model		PW06 -DKXLRE1-H8	PW08 -DKXLRE1-H8	PW10 -DKXLRE1-H8	PW12 -DKXLRE1-H8	PW14 -DKXLRE1-H8	PW16 -DKXLRE1-H8
Heating A7/6℃ W30/35℃	Nominal Capacity (kW)	6.0	8.0	10.0	12.0	14.0	16.0
	Nominal Power Input (kW)	1.23	1.64	2.10	2.47	2.96	3.40
	COP	4.88	4.89	4.76	4.86	4.73	4.70
Heating A7/6℃ W47/55℃	Nominal Capacity (kW)	6.0	8.0	10.0	12.0	14.0	16.0
	Nominal Power Input (kW)	1.98	2.63	3.44	3.99	4.75	5.46
	COP	3.03	3.04	2.91	3.01	2.95	2.93
Cooling A35/24℃ W23/18℃	Nominal Capacity (kW)	6.0	8.0	10.0	12.0	14.0	16.0
	Nominal Power Input (kW)	1.23	1.64	2.10	2.48	2.92	3.37
	EER	4.86	4.88	4.76	4.84	4.80	4.75
Heating Condition - Ambient Temp.(DB/WB): 7/6℃, Water Temp.(In/Out): 30/35℃							
Heating Capacity Range (kW)		3.4~8.5	4.5~11.0	5.2~12.9	7.0~17.0	7.6~19.3	8.8~22.0
Heating Power Input Range(kW)		0.66~1.99	0.87~2.60	1.03~3.08	1.38~3.90	1.50~4.62	1.74~5.47
COP Range		4.27~5.13	4.23~5.15	4.19~5.05	4.35~5.07	4.18~5.07	4.02~5.05
DHW Condition-Ambient Temp.(DB/WB): 20/15℃, Water Temp.(In/Out): 15/55℃							
Heating Capacity Range (kW)		4.0~9.0	5.2~11.5	5.3~13.2	6.6~17.5	7.8~19.5	8.8~22.5
Heating Power Input Range (kW)		0.78~2.14	1.035~2.76	1.05~3.28	1.37~3.98	1.54~4.64	1.75~5.55
COP Range		4.20~5.13	4.17~5.05	4.02~5.04	4.39~4.81	4.20~5.06	4.05~5.03
Heated water output (L/H)		194	248	284	376	419	484
Cooling Condition - Ambient Temp.(DB/WB): 35/24℃, Water Temp.(In/Out): 12/7℃							
Cooling Capacity Range (kW)		2.4~6.0	3.5~8.0	4.0~9.8	5.0~13.2	5.6~14.5	6.4~16.5
Cooling Power Input Range(kW)		0.68~1.99	0.97~2.58	1.24~3.60	1.49~4.52	1.67~5.00	1.93~5.79
EER Range		3.01~3.51	3.10~3.61	2.72~3.22	2.92~3.35	2.90~3.35	2.85~3.31
Cooling Condition - Ambient Temp.(DB/WB): 35/24℃, Water Temp.(In/Out): 23/18℃							
Cooling Capacity Range (kW)		3.5~8.0	4.3~11.0	4.8~12.5	6.6~16.1	7.0~17.5	8.2~20.5
Cooling Power Input Range(kW)		0.67~1.88	0.81~2.56	0.94~3.00	1.28~3.96	1.36~4.32	1.59~5.02
EER Range		4.25~5.25	4.29~5.29	4.17~5.11	4.07~5.16	4.05~5.15	4.08~5.16
ErP Level (35℃)		A+++	A+++	A+++	A+++	A+++	A+++
ErP Level (55℃)		A+++	A+++	A+++	A+++	A+++	A+++
Power supply		230V/1Ph/50Hz/60Hz					
Max. power input(kW)		3.3	4.5	5.5	6.3	6.6	8.1
Max. current (A)		15.1	20.6	25.2	28.6	30.2	37.1
Diameter of pipe (mm)		DN25				DN32	
Water Flow(m3/h)		1.46	1.89	2.22	2.92	3.32	3.78
Water Pressure Drop (max) kPa		30	35	40	43	47	52
Net Weight (kg)		116	120	138	165	170	190
Body size(W*D*H) (mm)		1200×463×791	1328×470×1065				
IP Grade (Level of protection)		IPX4					
Anti-electric shock Rate		I					
Refrigerant		R290					
Expansion Tank(L)		6L					
Electric Heater		3KW					
Operation Ambient Temp. (℃)		-25~43℃					
Operating water temperature (℃)		25~75℃(DHW)					
Operating water temperature (℃)		25~75℃(Heating)					
Operating water temperature (℃)		5~30℃(Cooling)					

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.

Model		PW08 -DKXLRE3-H8	PW10 -DKXLRE3-H8	PW12 -DKXLRE3-H8	PW14 -DKXLRE3-H8	PW16 -DKXLRE3-H8
Heating A7/6℃ W30/35℃	Nominal Capacity (kW)	8.0	10.0	12.0	14.0	16.0
	Nominal Power Input (kW)	1.64	2.10	2.47	2.96	3.40
	COP	4.89	4.76	4.86	4.73	4.70
Heating A7/6℃ W47/55℃	Nominal Capacity (kW)	8.0	10.0	12.0	14.0	16.0
	Nominal Power Input (kW)	2.63	3.44	3.99	4.75	5.46
	COP	3.04	2.91	3.01	2.95	2.93
Cooling A35/24℃ W23/18℃	Nominal Capacity (kW)	8.0	10.0	12.0	14.0	16.0
	Nominal Power Input (kW)	1.64	2.10	2.48	2.92	3.37
	EER	4.88	4.76	4.84	4.80	4.75
Heating Condition - Ambient Temp.(DB/WB): 7/6℃, Water Temp.(In/Out): 30/35℃						
Heating Capacity Range (kW)		4.5~11.0	5.2~12.9	7.0~17.0	7.6~19.3	8.8~22.0
Heating Power Input Range(kW)		0.87~2.60	1.03~3.08	1.38~3.90	1.50~4.62	1.74~5.47
COP Range		4.23~5.15	4.19~5.05	4.35~5.07	4.18~5.07	4.02~5.05
DHW Condition-Ambient Temp.(DB/WB): 20/15℃, Water Temp.(In/Out): 15/55℃						
Heating Capacity Range (kW)		5.2~11.5	5.3~13.2	6.6~17.5	7.8~19.5	8.8~22.5
Heating Power Input Range (kW)		1.035~2.76	1.05~3.28	1.37~3.98	1.54~4.64	1.75~5.55
COP Range		4.17~5.05	4.02~5.04	4.39~4.81	4.20~5.06	4.05~5.03
Heated water output (L/H)		248	284	376	419	484
Cooling Condition - Ambient Temp.(DB/WB): 35/24℃, Water Temp.(In/Out): 12/7℃						
Cooling Capacity Range (kW)		3.5~8.0	4.0~9.8	5.0~13.2	5.6~14.5	6.4~16.5
Cooling Power Input Range(kW)		0.97~2.58	1.24~3.60	1.49~4.52	1.67~5.00	1.93~5.79
EER Range		3.10~3.61	2.72~3.22	2.92~3.35	2.90~3.35	2.85~3.31
Cooling Condition - Ambient Temp.(DB/WB): 35/24℃, Water Temp.(In/Out): 23/18℃						
Cooling Capacity Range (kW)		4.3~11.0	4.8~12.5	6.6~16.1	7.0~17.5	8.2~20.5
Cooling Power Input Range(kW)		0.81~2.56	0.94~3.00	1.28~3.96	1.36~4.32	1.59~5.02
EER Range		4.29~5.29	4.17~5.11	4.07~5.16	4.05~5.15	4.08~5.16
ErP Level (35℃)		A+++	A+++	A+++	A+++	A+++
ErP Level (55℃)		A+++	A+++	A+++	A+++	A+++
Power supply		380V/3Ph/50/60Hz				
Max. power input(kW)		4.5	5.5	6.3	6.6	8.1
Max. current (A)		8.6	10.4	12	12.5	15.4
Diameter of pipe (mm)		DN25			DN32	
Water Flow(m3/h)		1.89	2.24	2.92	3.32	3.78
Water Pressure Drop (max) kPa		35	40	43	47	52
Net Weight (kg)		120	138	165	170	190
Body size(W*D*H) (mm)		1328×470×1065				
IP Grade (Level of protection)		IPX4				
Anti-electric shock Rate		I				
Refrigerant		R290				
Expansion Tank(L)		6L				
Electric Heater		3KW				
Operation Ambient Temp. (℃)		-25~43℃				
Operating water temperature (℃)		25~75℃(DHW)				
Operating water temperature (℃)		25~75℃(Heating)				
Operating water temperature (℃)		5~30℃(Cooling)				

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.

H8
Helios
Pro Series
Commercial
R290 DC Inverter Heat Pump
NEW
POWER WORLD

H8 Helios Pro Commercial Series

The H8 Helios Pro Commercial Series delivers A+++ efficiency and reliable heating/cooling for large spaces, featuring centralized control for up to 16 units, -25°C cold-climate operation, and smart grid compatibility for maximum savings.

R-290
35°C/55°C
A+++
230V/1Ph/50-60Hz

Features

- R290 refrigerant, low GWP (GWP=3)
- Full DC Inverter Technology
- ERP Level A+++ at both 35°C and 55°C
- 75°C high-temp water outlet
- -25°C cold climate operation
- SG-Ready & PV-Ready
- Noise Lower to 45 dB(A) at 1meter
- Two-level refrigerant leakage protection
- Maximum cascading 16 units
- Antifreeze drain valve for Precision Antifreeze Protection
- Intelligent 7-inch touchscreen controller
- Smart life WIFI app & IoT cloud management platform
- §14a EnWG Grid-Compliant Operation

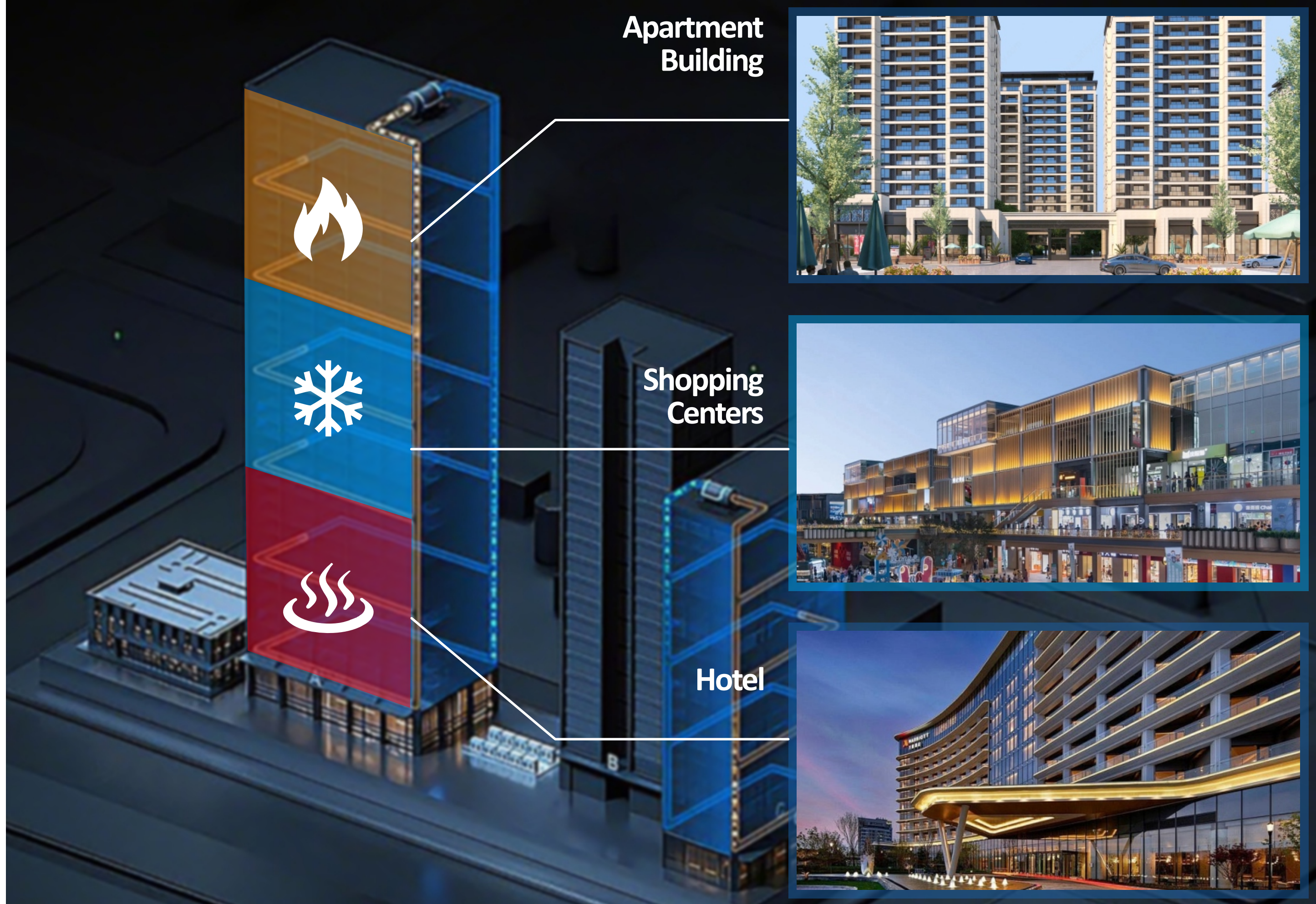
§14a
EnWG
WIFI

R290 zero carbon
SG Ready Smart Heat Pumps
PV-READY
-25°C Operation
5.0 COP
Max.16 Units Cascade
A+++ Energy-Saving
75°C high-temp water outlet

A+++ High Energy Efficiency

COP UP TO
5.0
EER UP TO
A+++
at both 35℃ and 55℃

Efficient Solution for Every Commercial Needs



Model		PW20-DKXLRE3-H8	PW30-DKXLRE3-H8
Heating A7/6℃ W30/35℃	Nominal Capacity (kW)	20.0	30.0
	Nominal Power Input (kW)	4.30	6.52
	COP	4.65	4.60
Heating A7/6℃ W47/55℃	Nominal Capacity (kW)	20.0	30.0
	Nominal Power Input (kW)	7.14	10.91
	COP	2.8	2.75
Cooling A35/24℃ W23/18℃	Nominal Capacity (kW)	20.0	30.0
	Nominal Power Input (kW)	4.35	6.55
	EER	4.60	4.58
Heating Condition - Ambient Temp.(DB/WB): 7/6℃, Water Temp.(In/Out): 30/35℃			
Heating Capacity Range (kW)		11.2~28.0	14.0~40.0
Heating Power Input Range(kW)		2.23~7.67	2.83~11.08
COP Range		3.65~5.02	3.61~4.95
DHW Condition-Ambient Temp.(DB/WB): 20/15℃, Water Temp.(In/Out): 15/55℃			
Heating Capacity Range (kW)		11.8~29.0	16.0~42.0
Heating Power Input Range (kW)		2.34~7.53	3.21~11.05
COP Range		3.85~5.04	3.80~4.98
Heated water output (L/H)		624	903
Cooling Condition - Ambient Temp.(DB/WB): 35/24℃, Water Temp.(In/Out): 12/7℃			
Cooling Capacity Range (kW)		8.2~21.0	11.5~30.0
Cooling Power Input Range(kW)		2.55~7.92	3.59~11.54
EER Range		2.65~3.21	2.60~3.20
Cooling Condition - Ambient Temp.(DB/WB): 35/24℃, Water Temp.(In/Out): 23/18℃			
Cooling Capacity Range (kW)		10.5~25.5	12.6~33.5
Cooling Power Input Range(kW)		2.08~6.66	2.52~8.82
EER Range		3.83~5.05	3.80~5.00
ErP Level (35℃)		A+++	A+++
ErP Level (55℃)		A+++	A+++
Power supply		380-415V, 3N~, 50/60Hz	
Max. power input(kW)		12	17
Max. current (A)		22.8	34.2
Fuse or circuit breaker (A)		32	40
Wire diameter mm^2		$6mm^2$	$6mm^2$
Diameter of pipe (mm)		DN40	
Water Flow(m3/h)		4.82	6.88
Water Pressure Drop (max) kPa		55	60
Net Weight (kg)		230	260
Body size(W*D*H) (mm)		1375×532×1565	1550×630×1708
IP Grade (Level of protection)		IPX4	
Anti-electric shock Rate		I	
Refrigerant		R290	
Operation Ambient Temp. (℃)		-25~43℃	
Operating water temperature (℃)		25~75℃(DHW)	
Operating water temperature (℃)		25~75℃(Heating)	
Operating water temperature (℃)		5~30℃(Cooling)	

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.

WIFI
POWER WORLD
ENERG
POWER WORLD
55 °C
35 °C
A++
A+++
00 dB
66 dB
kW

R290 SERIES COMMERCIAL

Full DC Inverter Heat Pump

Heating **Cooling** **Hot water**

78°C
High temp
Water outlet

R290 Commercial Series

A cutting-edge solution designed for maximum efficiency and versatility in commercial applications.

R-290

35°C/55°C A+++

380V/3Ph/50-60Hz

Features

- R290 refrigerant, ODP=0, low GWP(GWP=3)
- **Dual DC Inverter Technology:** Delivers precise and efficient heating with a maximum output temperature of 78°C.
- **Top Efficiency Ratings:** Achieves ErP Level A+++ (at 35°C) with a high SCOP of 4.57.
- **Built-in Wi-Fi Module:** Provides seamless connectivity and control.
- **Multilingual Support:** Easy operation in various languages.

SG Smart Grid Functionality: Enhances energy management and integration.

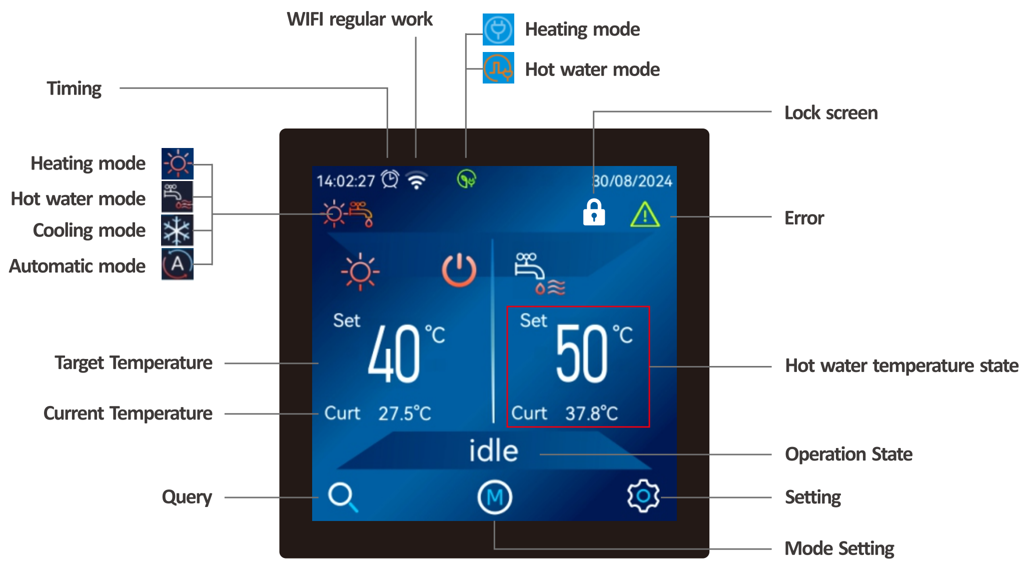
- **Automatic Temperature Adjustment:** Ensures optimal performance.
- **Night Operation Mode:** Convenient control during off-hours.
- **Cascade Control:** Supports up to 8 units for flexible scaling.
- **Timed High-Temperature Disinfection:** Ensure the safe and healthy use of hot water.
- **IoT Cloud Management Platform**
- **Customizable Features:** Options for built-in pumps and Refrigerant leak sensors, as well as external heat source and water tank control.

WIFI
POWER WORLD

**TWO-SYSTEM CONFIGURATION,
LARGE CAPACITY,
SUPERIOR STABILITY**

R290 zero carbon | A+++ Energy-Saving | 78°C High temp Water outlet | SG Ready | PV-READY

Premium Configuration, Reliable Quality

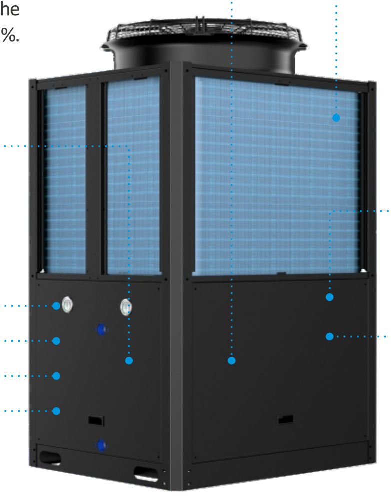

WIFI regular work
Heating mode
Hot water mode
Timing
Lock screen
Heating mode
Hot water mode
Cooling mode
Automatic mode
14:02:27
30/08/2024
Error
Set
40 °C
Set
50 °C
Target Temperature
Hot water temperature state
Current Temperature
Curt 27.5°C
Curt 37.8°C
idle
Operation State
Query
Setting
Mode Setting

R290 Refrigerant leakage monitoring sensor

An alarm will be triggered when the concentration reaches 15%.

Large LCD color screentouch controller

Built-in WiFi module with integrated system and end device control, offering simple operation.


Pressure gauge
Electric control box
Liquid storage tank
Plate heat exchanger

Flat-panel louvered fin heat exchanger

1. Hydrophilic coating for corrosion resistance, salt spray durability, and exceptional oxidation resistance.

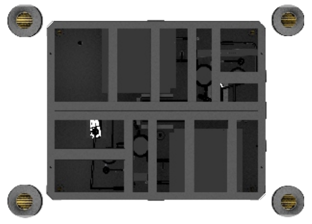
2. Flat window design minimizes water, ice, and dust buildup, is easy to clean, and reduces air resistance, making it suitable for harsher environments.

Multiple noise reduction designs

Patented designs, achieving noise levels as low as **62 dB(A) at 1Meter.**

Big DC inverter Stepless Fan Moto(14000m³/h)

Stepless variable speed operation, precise speed control, low noise, fewer moving parts, and higher efficiency.



Chassis drainage hole design

Directly drains condensate water to prevent ice formation from water accumulation.

Full DC Inverter Compressor (Dual system)

Low vibration, quiet operation, and efficient performance in extreme cold weather down to -25°C.

DC INVERTER HEAT PUMP FOR COOLING HEATING AND DHW (R290)

Model	PW150-DKZLRS-E	PW300-DKZLRS-E
DHW Condition-Ambient Temp.(DB/WB):20/15°C,Water Temp.(In/Out):15/55°C		
Heating Capacity Range (kW)	23.8~68	40.0~130
Heating Power Input Range(kW)	4.23~15.46	9.0~29.5
COP Range	4.46~5.62	4.4~5.5
Heated water output (L/H)	1462	2580
Heating Condition - Ambient Temp.(DB/WB):7/6°C,Water Temp.(In/Out):30/35°C		
Heating Capacity Range (kW)	18.4~49.25	35.2~92
Heating Power Input Range(kW)	4.23~12.96	7.0~23.8
COP Range	3.8~4.3	3.86~5.02
Cooling Condition - Ambient Temp.(DB/WB):35/24°C,Water Temp.(In/Out):12/7°C		
Cooling Capacity Range (kW)	13.8~34.5	25~66
Cooling Power Input Range (kW)	5.2~16.2	8.92~30.7
EER Range	2.12~2.65	2.15~2.8
ErP Level (35°C)	A+++	A+++
ErP Level (55°C)	A++	A++
Power supply	380V/3Ph/50-60Hz	380V/3Ph/50-60Hz
Max. power input (kW)	20	40
Max. current (A)	32	64
Fuse or circuit breaker (A)	40	80
Wire diameter (mm²)	10mm²	22mm²
Diameter of pipe (mm)	G1.5"	G2"
Sound power level (dB(A))	≤77	≤85
Sound pressure level (dB(A))	62	65
Water Flow(m3/h)	5.8	11.6
Water Pressure Drop (max) kPa	80	120
Net Weight (kg)	370	745
Body size(W*D*H) (mm)	1195×980×1900	2510×979×1882
Packing size(W*D*H)(Polywood)	1275*1060*2100	2560×1030×2000
IP Grade (Level of protection)	IPX4	IPX4
Anti-electric shock Rate	I	I
Refrigerant	R290	R290
Operation Ambient Temp. (°C)	-25~43°C	-25~43°C
Water outlet temperature (°C)	20~78°C(DHW)	20~78°C(DHW)
Water outlet temperature (°C)	20~78°C(Heating)	20~78°C(Heating)
Water outlet temperature (°C)	7~35°C(Cooling)	7~35°C(Cooling)

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.

One-stop
Renewable Energy Solutions

R32 EASYLIFE
SERIES

EVI DC INVERTER
HEAT PUMP
MONOBLOCK

WIFI
POWER WORLD
WIFI
POWER WORLD

R32 A8
SERIES

EVI DC INVERTER
HEAT PUMP
MONOBLOCK

POWER WORLD
POWER WORLD

R32 Q5 PRO
SERIES

EVI DC INVERTER
HEAT PUMP
MONOBLOCK

POWER WORLD
POWER WORLD

R32 SERIES EASYLIFE

EVI DC Inverter Heat Pump / Monoblock

Wi-Fi
Heating
Cooling
Hot water
-30°C~43°C

R32 Easylife Series

R-32
35°C/55°C
A+++
1-230V or 3-380V

Features

- 4 Operating modes: Powerful/Smart/Silent/Vacation
- SG-Ready& PV-Ready functions
- Real-time energy consumption curves
- Maximum cascading 8 units
- Smart sterilization every 7 days (DHW)
- 20~60°C Smart temperature adjustment (Heating)
- Multiple noise reduction, noise as low as 43dB at 1M.
- Flexible setting of timer and temperature
- Two electric heater control ports
- RS485 port and Modbus protocol
- Remote WIFI App and IoT Cloud Management Platform

ERP Label Test by TUV according to EN14825:2022.

The highest ERP grade: A+++/35°C
The maximum SCOP reaches 4.72.

Model: 8.4/13/15.5/18.2/23/28/35KW
Optional: Built-in/No water pump

43dB | 4.72 SCOP MAX | A+++ Energy-Saving | 60°C High temp Water outlet | 15 Languages | SG Ready | PV-READY

220V RESIDENTIAL EVI DC INVERTER HEAT PUMP

Model		No Water Pump			Built-in DC Inverter Water Pump		
		PW030-DKZLRS-A	PW040-DKZLRS-A	PW050-DKZLRS-A	PW030-DKZLRS-B/S	PW040-DKZLRS-B/S	PW050-DKZLRS-B/S
Heating Condition: Ambient Temp. (DB/WB): 7°C/6°C, Water temperature(inlet/outlet): 30°C/35°C							
Heating Capacity Range (kW)		2.8~8.40	4.40~13.00	5.9~18.2	2.8~8.40	4.40~13.00	5.9~18.2
Heating Power Input Range(kW)		0.57~1.87	0.90~3.02	1.20~4.11	0.62~1.97	0.95~3.12	1.28~4.26
Current Range (A)		2.61~8.30	4.12~13.8	5.49~18.8	2.83~8.74	4.13~14.01	5.50~19.01
COP Range		4.49~4.91	4.30~4.90	4.43~4.92	4.26~4.52	4.17~4.63	4.27~4.61
Cooling Condition: Ambient Temp. (DB/WB): 35°C/24°C, Water temperature(inlet/outlet): 12°C/7°C							
Cooling Capacity Range (kW)		2.1~6.22	2.80~8.20	3.81~11.53	2.1~6.22	2.80~8.20	3.81~11.53
Cooling Power Input Range(kW)		0.62~2.18	0.85~3.31	1.11~4.05	0.67~2.28	0.90~3.41	1.19~4.20
Current Range (A)		2.84~9.67	3.89~15.1	5.08~18.5	3.06~10.11	3.91~15.21	5.11~18.64
EER Range		2.85~3.41	2.48~3.29	2.85~3.43	2.73~3.13	2.40~3.11	2.75~3.20
DHW Condition: Ambient Temp. (DB/WB): 7°C/6°C, Water temperature(inlet/outlet): 15°C/55°C							
Heating Capacity Range (kW)		2.3~6.81	3.52~10.50	4.80~14.72	2.3~6.81	3.52~10.50	4.80~14.72
Heating Power Input Range(kW)		0.56~2.13	0.88~3.39	1.17~4.60	0.61~2.23	0.93~3.49	1.25~4.75
Current Range (A)		2.56~9.45	4.03~15.5	5.35~21.1	2.78~9.89	4.14~15.67	5.43~21.22
COP Range		3.2~4.1	3.1~4.0	3.2~4.1	3.05~3.77	3.01~3.78	3.10~3.84
Space Heating (According to EN14825:2022) Average Climate Water Outlet 35°C	Rated heat output (kW)	4.13	6.99	13.98	4.38	6.99	13.98
	Seasonal Space Heating Energy Efficiency (SCOP)	4.45	4.48	4.50	4.46	4.48	4.50
	ErP Level	A+++	A+++	A+++	A+++	A+++	A+++
	Sound pressure level (dB(A)) at 1 meter	44	44	49	41	44	49
Space Heating (According to EN14825:2022) Average Climate Water Outlet 55°C	Rated heat output (kW)	4.34	6.93	13.80	5.09	6.93	13.80
	Seasonal Space Heating Energy Efficiency (SCOP)	3.27	3.26	3.32	3.30	3.26	3.32
	ErP Level	A++	A++	A++	A++	A++	A++
	Sound pressure level (dB(A)) at 1 meter	49	46	54	48	46	54
Power supply		230V/1Ph/50Hz/60Hz					
Diameter of pipe (mm)		DN25	DN25	DN25	DN25	DN25	DN25
Net Weight (kg)		95	105	105	105	115	160
Body size(W*D*H) (mm)		970×475×820	1100×475×960	1050×480×1380	970×475×820	1100×475×960	1050×480×1380
Operation Ambient Temp. (°C)		-30~43					
Operating water temperature (°C)		28~55(DHW)					
Operating water temperature (°C)		15~55(Heating)					
Operating water temperature (°C)		7~30(Cooling)					

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.

380V COMMERCIAL EVI DC INVERTER HEAT PUMP

Model		No Water Pump					
		PW040-DKZLRS-A	PW045-DKZLRS-A	PW050-DKZLRS-A	PW060-DKZLRS-A	PW080-DKZLRS-A	PW100-DKZLRS-A
Heating Condition: Ambient Temp. (DB/WB): 7°C/6°C, Water temperature(inlet/outlet): 30°C/35°C							
Heating Capacity Range (kW)		4.40~13.00	5.8~15.5	5.9~18.2	7.5~23.0	10.2~28.0	12.8~35.0
Heating Power Input Range(kW)		0.90~3.02	1.17~3.56	1.20~4.11	1.53~5.23	2.07~6.36	2.61~7.99
Current Range (A)		1.39~4.68	2.09~6.36	1.86~6.37	2.37~8.11	3.70~11.4	4.67~14.3
COP Range		4.30~4.90	4.35~4.95	4.43~4.92	4.40~4.90	4.40~4.92	4.38~4.90
Cooling Condition: Ambient Temp. (DB/WB): 35°C/24°C, Water temperature(inlet/outlet): 12°C/7°C							
Cooling Capacity Range (kW)		2.80~8.20	5.5~11.0	3.81~11.53	4.73~14.6	6.54~19.8	8.13~24.6
Cooling Power Input Range(kW)		0.85~3.31	1.62~3.89	1.11~4.05	1.39~5.14	1.92~6.97	2.42~8.75
Current Range (A)		1.32~5.13	2.9~6.95	1.72~6.28	2.16~7.97	3.43~12.5	4.33~15.6
EER Range		2.48~3.29	2.83~3.40	2.85~3.43	2.84~3.40	2.84~3.40	2.81~3.36
DHW Condition: Ambient Temp. (DB/WB): 7°C/6°C, Water temperature(inlet/outlet): 15°C/55°C							
Heating Capacity Range (kW)		3.52~10.50	8.2~13.6	4.80~14.72	6.1~18.5	12.3~20.4	13.6~22.6
Heating Power Input Range(kW)		0.88~3.39	1.86~3.58	1.17~4.60	1.53~5.97	2.8~5.37	3.09~5.95
Current Range (A)		1.36~5.26	3.32~6.4	1.82~7.15	2.37~9.26	5.0~9.6	5.52~10.6
COP Range		3.1~4.0	3.8~4.4	3.2~4.1	3.1~4.0	3.8~4.4	3.8~4.4
Space Heating (According to EN14825:2022) Average Climate Water Outlet 35°C	Rated heat output (kW)	7.00	12.01	16.17	17.67	18.92	25.99
	Seasonal Space Heating Energy Efficiency (SCOP)	4.46	4.77	4.45	4.45	4.53	4.58
	ErP Level	A+++	A+++	A+++	A+++	A+++	A+++
	Sound pressure level (dB(A)) at 1 meter	46	45	54	56	/	/
Space Heating (According to EN14825:2022) Average Climate Water Outlet 55°C	Rated heat output (kW)	7.19	12.97	17.01	18.25	22.11	25.77
	Seasonal Space Heating Energy Efficiency (SCOP)	3.25	3.66	3.41	3.38	3.45	3.47
	ErP Level	A++	A++	A++	A++	A++	A++
	Sound pressure level (dB(A)) at 1 meter	51	46	58	60	/	/
Power supply		380V/3Ph/50-60Hz					
Diameter of pipe (mm)		DN25	DN25	DN25	DN25	DN32	DN32
Net Weight (kg)		105	130	150	155	210	230
Body size(W*D*H) (mm)		1100×475×960	1080×480×1060	1050×480×1380	1050×480×1380	1160×500×1580	1160×500×1580
Operation Ambient Temp. (°C)		-30~43					
Operating water temperature (°C)		28~55(DHW)					
Operating water temperature (°C)		15~55(Heating)					
Operating water temperature (°C)		7~30(Cooling)					

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.

380V COMMERCIAL EVI DC INVERTER HEAT PUMP

Model		BUILT-IN DC INVERTER WATER PUMP		
		PW040-DKZLRS-B	PW050-DKZLRS-B	PW060-DKZLRS-B
Heating Condition: Ambient Temp. (DB/WB): 7°C/6°C, Water temperature(inlet/outlet): 30°C/35°C				
Heating Capacity Range (kW)		4.40~13.00	5.9~18.2	7.5~23.0
Heating Power Input Range(kW)		0.95~3.12	1.28~4.26	1.61~5.38
Current Range (A)		1.39~4.68	1.86~6.37	2.37~8.11
COP Range		4.17~4.63	4.27~4.61	4.28~4.66
Cooling Condition: Ambient Temp. (DB/WB): 35°C/24°C, Water temperature(inlet/outlet): 12°C/7°C				
Cooling Capacity Range (kW)		2.80~8.20	3.81~11.53	4.73~14.6
Cooling Power Input Range(kW)		0.90~3.41	1.19~4.20	1.47~5.29
Current Range (A)		1.32~5.13	1.72~6.28	2.16~7.97
EER Range		2.40~3.11	2.75~3.20	2.76~3.22
DHW Condition: Ambient Temp. (DB/WB): 7°C/6°C, Water temperature(inlet/outlet): 15°C/55°C				
Heating Capacity Range (kW)		3.52~10.50	4.80~14.72	6.1~18.5
Heating Power Input Range(kW)		0.93~3.49	1.25~4.75	1.61~6.12
Current Range (A)		1.36~5.26	1.82~7.15	2.37~9.26
COP Range		3.01~3.78	3.10~3.84	3.02~3.79
Space Heating (According to EN14825:2022) Average Climate Water Outlet 35°C	Rated heat output (kW)	7.20	15.51	16.22
	Seasonal Space Heating Energy Efficiency (SCOP)	4.49	4.57	4.53
	ErP Level	A+++	A+++	A+++
	Sound pressure level (dB(A)) at 1 meter	44	53	55
Space Heating (According to EN14825:2022) Average Climate Water Outlet 55°C	Rated heat output (kW)	6.95	14.66	16.52
	Seasonal Space Heating Energy Efficiency (SCOP)	3.25	3.45	3.33
	ErP Level	A++	A++	A++
	Sound pressure level (dB(A)) at 1 meter	48	57	57
Power supply		380V/3Ph/50-60Hz		
Diameter of pipe (mm)		DN25	DN25	DN25
Net Weight (kg)		115	160	165
Body size(W*D*H) (mm)		1100×475×970	1050×480×1380	1050×480×1380
Operation Ambient Temp. (°C)		-30~43		
Operating water temperature (°C)		28~55(DHW)		
Operating water temperature (°C)		15~55(Heating)		
Operating water temperature (°C)		7~30(Cooling)		

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.

220V&380V EVI DC INVERTER HEAT PUMP

(WITH 5 INCH WIRED CONTROLLER)

Model	BUILT-IN DC INVERTER WATER PUMP(WITH 5 INCH WIRED CONTROLLER)					
	PW030-DKZLRS-B/S	PW040-DKZLRS-B	PW050-DKZLRS-B	PW060-DKZLRS-B	PW080-DKZLRS-B	PW100-DKZLRS-B
Heating Condition: Ambient Temp. (DB/WB): 7°C/6°C, Water temperature(inlet/outlet): 30°C/35°C						
Heating Capacity Range (kW)	2.8~8.40	4.40~13.00	5.9~18.2	7.5~23.0	10.2~28.0	12.8~35.0
Heating Power Input Range(kW)	0.62~1.97	0.95~3.12	1.28~4.26	1.61~5.38	2.17~6.56	2.71~8.19
COP Range	4.26~4.52	4.17~4.63	4.27~4.61	4.28~4.66	4.27~4.70	4.27~4.72
Cooling Condition: Ambient Temp. (DB/WB): 35°C/24°C, Water temperature(inlet/outlet): 12°C/7°C						
Cooling Capacity Range (kW)	2.1~6.22	2.80~8.20	3.81~11.53	4.73~14.6	6.54~19.8	8.13~24.6
Cooling Power Input Range(kW)	0.67~2.28	0.90~3.41	1.19~4.20	1.47~5.29	2.02~7.17	2.52~8.95
EER Range	2.73~3.13	2.40~3.11	2.75~3.20	2.76~3.22	2.76~3.24	2.75~3.23
DHW Condition: Ambient Temp. (DB/WB): 7°C/6°C, Water temperature(inlet/outlet): 15°C/55°C						
Heating Capacity Range (kW)	2.3~6.81	3.52~10.50	4.80~14.72	6.1~18.5	12.3~20.4	13.6~22.6
Heating Power Input Range(kW)	0.61~2.23	0.93~3.49	1.25~4.75	1.61~6.12	2.9~5.57	3.19~6.15
COP Range	3.05~3.77	3.01~3.78	3.10~3.84	3.02~3.79	3.66~4.24	3.67~4.26
Power supply	230V/1Ph/50Hz/60Hz	380V/3Ph/50-60Hz				
Max. power input(kW)	3.6	4.5	6.5	7.35	10.1	12
Max. current (A)	16.5	8.5	12.3	14	19	22.8
Fuse or circuit breaker (A)	25	16	20	25	32	32
Wire diameter mm^2	4mm^2	2.5mm^2	4mm^2	4mm^2	6mm^2	6mm^2
Diameter of pipe (mm)	DN25	DN25	DN25	DN25	DN32	DN32
Water Flow(m3/h)	1.5	2.2	3.2	3.9	4.8	6.0
Water Pressure Drop (max) kPa	30	35	40	45	50	55
Net Weight (kg)	105	115	160	165	220	240
Body size(W*D*H) (mm)	970×475×820	1100×475×970	1050×480×1380	1050×480×1380	1160×500×1580	1160×500×1580
Refrigerant	R32	R32	R32	R32	R32	R32
Compressor	Panasonic	Panasonic	Panasonic	Panasonic	Panasonic	Panasonic
Operation Ambient Temp. (°C)	-30~43					
Operating water temperature (°C)	28~55(DHW)					
Operating water temperature (°C)	15~55(Heating)					
Operating water temperature (°C)	7~30(Cooling)					

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.

R 3 2

A8 Series

EVI DC Inverter Heat Pump / Monoblock

R32 A8 Series

R-32

1-230V or 3-380V

Features

- R32 Eco-Friendly Refrigerant
- Full DC Inverter EVI Compressor
- 56dB(A) Ultra-Quiet
- Up to 60°C Output
- -35°C Extreme Heating
- Up to 3.79 heating COP
- Smart IoT & OTA Ready
- Cascade Up to 8 Units
- PV Direct Drive (Optional)
- Intelligent Defrost System

WIFI
POWER WORLD

WIFI
POWER WORLD

R32 Refrigerant

-35°C Operation

Cascade Up to 8 Units

Wide Voltage Operation

60°C Hot Water

((OTA)) Remote OTA Upgrades

Versatile Performance, Extreme Reliability

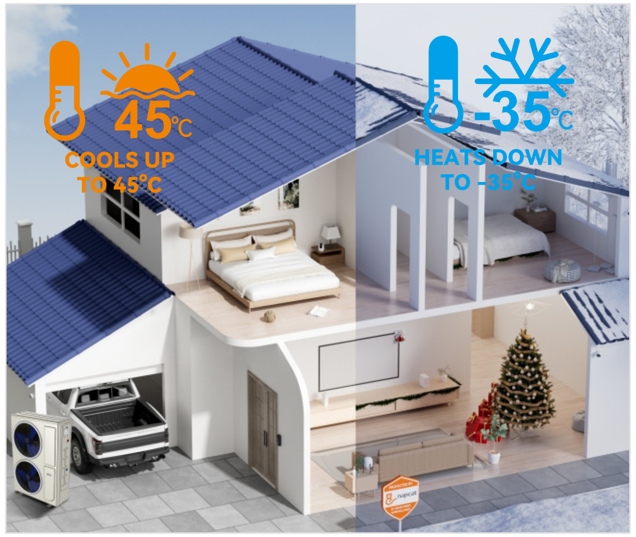
3-in-1 Integrated Solution

Combines cooling, heating, and hot water in one smart system for ultimate versatility and efficiency.

HEATING
COOLING
HOT WATER

Wide Operating Range

Ensures robust and efficient performance even in the most demanding climates, with an operating range from -35℃ to 45℃.

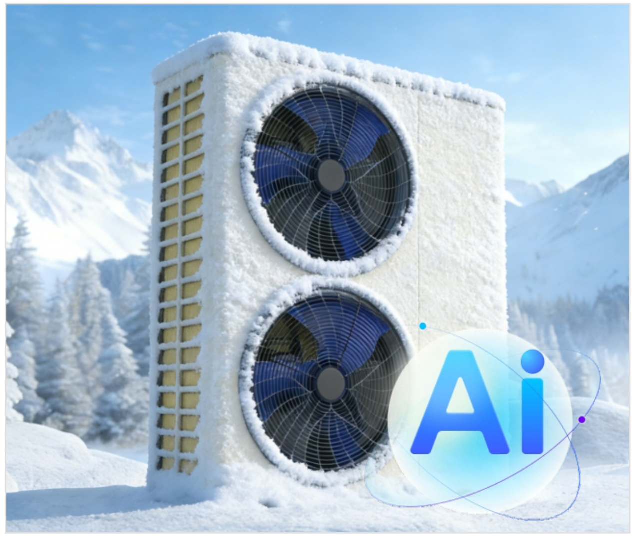

45℃
COOLS UP TO 45℃
-35℃
HEATS DOWN TO -35℃

High-Temperature Output

Efficiently produces hot water up to 60℃ to fulfill various domestic and heating needs.

Intelligent Defrost System

Utilizes four-way valve reversal and multi-point intelligent control to minimize defrost cycles, significantly reducing energy loss and improving overall system efficiency.

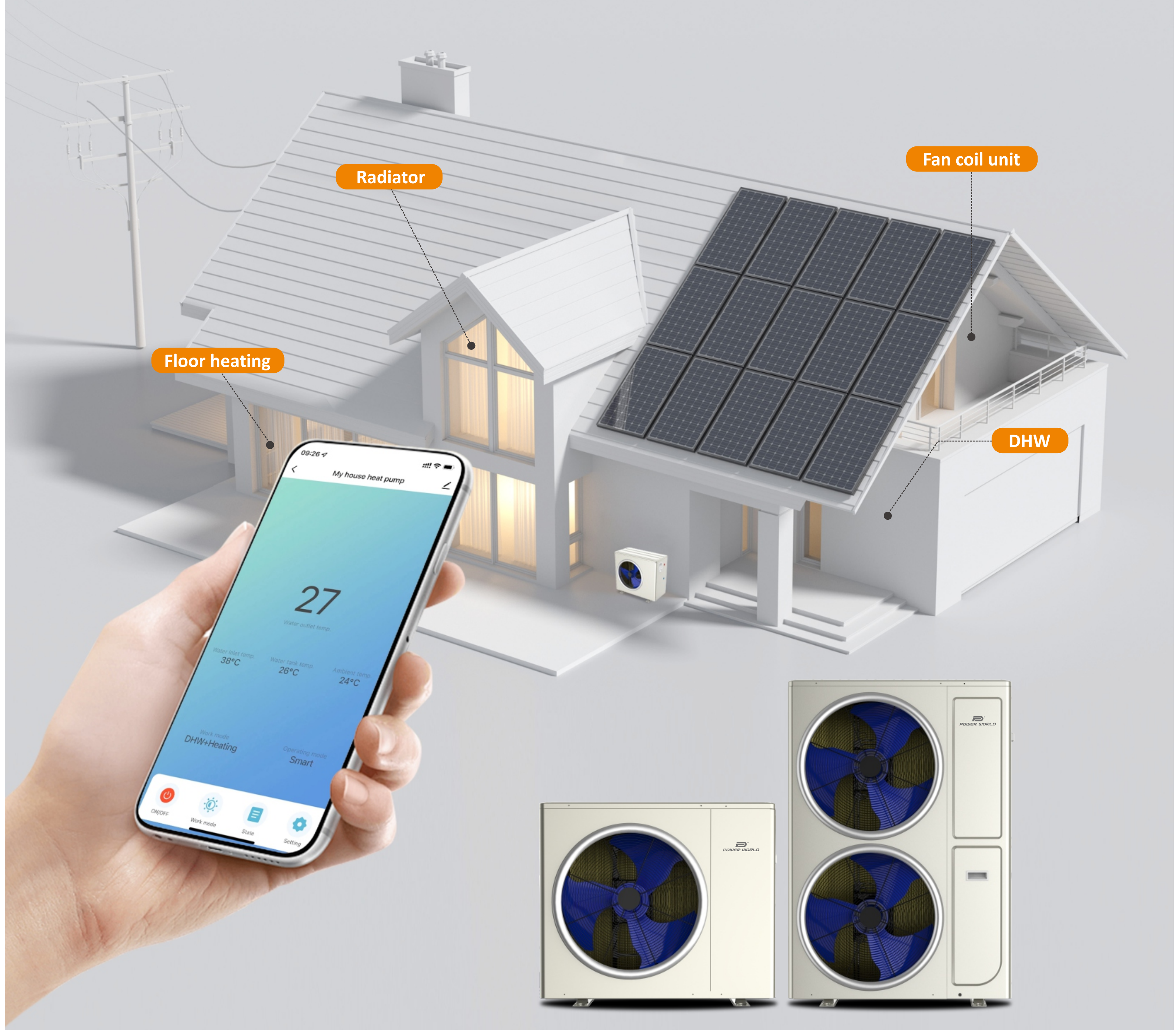


SYSTEM INTEGRATION & HEAT PUMP DIAGRAM

The Complete, Integrated Solution

Your complete home climate solution, intelligently managed from a single smart App.

Bluetooth **Wi-Fi**


Radiator
Fan coil unit
Floor heating
DHW
09:26
My house heat pump
ON/OFF
Work mode
State
Setting

27
Water outlet temp.

Water inlet temp. 38°C
Water tank temp. 26°C
Ambient temp. 24°C

Work mode DHW+Heating
Operating mode Smart

380V EVI DC INVERTER HEAT PUMP

Model			PW060-KFLRDC-A8/3N	PW080-KFLRDC-A8M/3N	PW080-KFLRDC-A8/3N	PW100-KFLRDC-A8/3N	PW120-KFLRDC-A8	PW150-KFLRDC-A8
Rated Heating Condition - Ambient Temp.(DB/WB):7℃, Water Temp.(In/Out):30/35℃								
Rated Heating (A7W35)	Heating capacity	kW	17	20	22.4	26.5	30	37
	Power input	kW	3.69	4.36	4.96	5.99	6.84	8.41
	COP	W/W	4.61	4.59	4.52	4.42	4.39	4.40
Low ambient heating condition 1- Ambient Temp.(DB/WB):-12℃, Water Outlet Temp.:41℃								
Heating 1	Heating capacity	kW	13.8	15.5	18.2	20.5	22.8	30.2
	Power input	kW	5.60	6.18	7.20	8.20	9.13	12.16
	COP	W/W	2.46	2.51	2.53	2.50	2.50	2.48
Low ambient heating condition 2 - Ambient Temp.(DB/WB):-20℃, Water Outlet Temp.:41℃								
Heating 2	Heating capacity	kW	11.5	13.0	15.1	17.0	18.9	25.1
	Power input	kW	5.13	5.99	6.75	7.7	8.68	11.39
	EER	W/W	2.24	2.17	2.24	2.21	2.18	2.20
Cooling Condition - Ambient Temp.(DB/WB):35℃, Water Temp.(In/Out):12/7℃								
Cooling (A35W7)	Cooling capacity	kW	15.1	17.0	19.0	21.5	24.0	30
	Power input	kW	5.20	5.80	6.57	7.64	8.5	10.6
	EER	W/W	2.90	2.93	2.89	2.81	2.82	2.83
Maximum input power		kW	8	8	9.6	9.6	14.6	15.5
Maximum current		A	16	16	18	18	29.2	31
Power supply			380V 3N ~ /50Hz					
Anti-electric shock Rate			I	I	I	I	I	I
IP Grade (Level of protection)			IPX4	IPX4	IPX4	IPX4	IPX4	IPX4
Refrigerant			R32					
Operation Ambient Temp.		℃	-35 ~ 45	-35 ~ 45	-35 ~ 45	-35 ~ 45	-35 ~ 45	-35 ~ 45
Diameter of pipe			DN32 (Internal teeth)	DN32 (Internal teeth)	DN32 (Internal teeth)	DN32 (Internal teeth)	DN40 (Internal teeth)	DN40 (Internal teeth)
Water Flow		m3/h	2.60	2.92	3.27	3.70	4.10	5.20
Water Pressure Drop (max)		kPa	13.5	18	15	19	20	21
Noise (dB(A))		dB(A)	≦58	≦58	≦59	≦60	≦61	≦62
Net weight		kg	113	115	159	162	165	190
Gross weight		kg	137	123	170	173	176	205
Wind direction			Side discharge					
Body size(W*D*H)		mm	955×450×1346	955×450×1346	1070×480×1560	1070×480×1560	1070×480×1560	1215×540×1560
Packing size(W*D*H)		mm	1050×450×1510	1050×450×1510	1170×490×1715	1170×490×1715	1170×490×1715	1300×560×1700

Note: Some products in the continuous optimization of the parameters have changed, please refer to the actual product.

1. All A7W35 shall be subject to actual testing
2. 3P/8P/10P/12P/15P shall be subject to final measurement.

220V&380V EVI DC INVERTER HEAT PUMP

Model			PW030-KFLRDC-A8	PW050-KFLRDC-A8	PW050-KFLRDC-A8/3N	PW060-KFLRDC-A8	PW060-KFLRDC-A8/3N	PW080-KFLRDC-A8M
Rated Heating Condition - Ambient Temp.(DB/WB):7℃, Water Temp.(In/Out):30/35℃								
Rated Heating (A7W35)	Heating capacity	kW	8.7	14.9	17	20	22.4	14.9
	Power input	kW	1.96	3.21	3.69	4.36	4.96	3.21
	COP	W/W	4. 44	4. 64	4. 61	4. 59	4. 52	4. 64
Low ambient heating condition 1- Ambient Temp.(DB/WB):-12℃, Water Outlet Temp.:41℃								
Heating 1	Heating capacity	kW	6.8	11.6	13.8	15.5	18.2	11.6
	Power input	kW	2.70	4.41	5.60	6.18	7.20	4.41
	COP	W/W	2. 52	2. 63	2. 46	2. 51	2. 53	2. 63
Low ambient heating condition 2 - Ambient Temp.(DB/WB):-20℃, Water Outlet Temp.:41℃								
Heating 2	Heating capacity	kW	5.6	9.9	11.5	13.0	15.1	9.9
	Power input	kW	2.52	4.40	5.13	5.99	6.75	4.40
	EER	W/W	2.22	2.22	2.22	2.22	2.22	2.22
Cooling Condition - Ambient Temp.(DB/WB):35℃, Water Temp.(In/Out):12/7℃								
Cooling (A35W7)	Cooling capacity	kW	6.5	12.5	15.1	17.0	19.0	12.5
	Power input	kW	2.30	4.30	5.20	5.80	6.57	4.30
	EER	W/W	2.83	2.91	2.90	2.93	2.89	2.91
Maximum input power		kW	3.8	6	6.5	7.5	8.5	8
Maximum current		A	19	29	33	36	40	16
Power supply			220V~/50Hz					380V 3N ~ /50Hz
Anti-electric shock Rate			I	I	I	I	I	I
IP Grade (Level of protection)			IPX4	IPX4	IPX4	IPX4	IPX4	IPX4
Refrigerant			R32					
Operation Ambient Temp.		℃	-35 ~ 45	-35 ~ 45	-35 ~ 45	-35 ~ 45	-35 ~ 45	-35 ~ 45
Diameter of pipe			DN25 (Internal teeth)	DN32 (Internal teeth)	DN32 (Internal teeth)	DN32 (Internal teeth)	DN32 (Internal teeth)	DN32 (Internal teeth)
Water Flow		m3/h	1.12	2.15	2.60	2.92	3.27	2.15
Water Pressure Drop (max)		kPa	9	8.7	13.5	18	15	8.7
Noise (dB(A))		dB(A)	≦56	≦58	≦58	≦58	≦59	≦58
Net weight		kg	80	112	113	115	159	112
Gross weight		kg	88	133	137	123	170	133
Wind direction			Side discharge					
Body size(W*D*H)		mm	955×450×810	955×450×1346	955×450×1346	955×450×1346	1070×480×1560	955×450×1346
Packing size(W*D*H)		mm	1050×465×950	1050×450×1510	1050×450×1510	1050×450×1510	1170×490×1715	1050×450×1510

Note: Some products in the continuous optimization of the parameters have changed, please refer to the actual product.

1. All A7W35 shall be subject to actual testing
2. 3P/8P/10P/12P/15P shall be subject to final measurement.

R32 Q5 PRO

EVI DC Inverter Heat Pump / Monoblock

POWER WORLD
POWER WORLD

R32 Q5 PRO Series

Built for extreme cold, the Q5 PRO Series delivers reliable heating down to -35°C with EVI and DC inverter technology.

R-32

1-230V or 3-380V

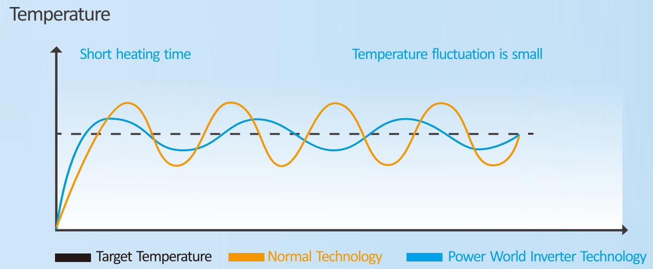
Features

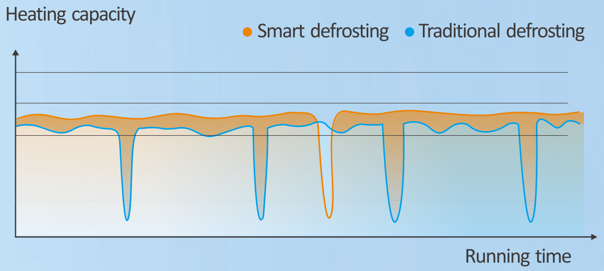
- Full DC Inverter EVI Compressor
- Output Water Temperature Up To 60°C
- Intelligent Protection for Pressure, Flow, Temperature, Freeze
- Operational At -35°C
- Precision Closed-Loop PID Control
- Intelligent Defrost
- Below 60 dB Quiet Operation
- Efficient Heating
- Dual Anti-Freeze System (40W Heater + Suspended Fin)

R32 Refrigerant	-35°C Operation	Cascade Up to 8 Units	Heating	Intelligent Defrosting

Full DC Inverter Technology

- Improved energy savings & system stability
- Maximum performance with minimum waste.





Intelligent Defrost System

Utilizes four-way valve reversal and multi-point intelligent control to minimize defrost cycles, significantly reducing energy loss and improving overall system efficiency.

EVI-Driven Efficiency

EVI technology enables high-efficiency operation from -35°C to 43°C, with a hot water output of up to 60℃.

220V EVI DC INVERTER HEAT PUMP

Model	PW030-KFLRDC-Q5PRO	PW040-KFLRDC-Q5PRO	PW050-KFLRDC-Q5PRO	PW060-KFLRDC-Q5PRO	PW080-KFLRDC-Q5MPRO	PW080-KFLRDC-Q5PRO
Rated Heating capacity(A7/W45)	9kW	12.8kW	16kW	18kW	20.3kW	23kW
Rated Heating Power input(A7/W45)	2.8kW	4.1kW	4.57kW	5.3kW	5.67kW	6.52kW
Rated HeatingCOP(A7/W45)	3.21	3.12	3.5	3.4	3.58	3.53
Nominal Heating capacity (A-12/W35/W41)	6kW/6kW	9kW/9kW	11.6kW/11.6kW	13.5kW/13.5kW	15kW/15kW	18kW/18kW
Nominal heating input power (A-12/W35/W41)	2.21kW/2.48kW	3.31kW/3.73kW	4.2kW/4.6kW	4.96kW/5.51kW	5.52kW/6kW	6.52kW/7.25kW
Nominal heating COP(h) (A-12/W35/W41)	2.72/2.41	2.72/2.41	2.76/2.52	2.72/2.45	2.72/2.50	2.76/2.48
Low-temperature heating capacity (A-20/W35/W41)	5.5kW/5.5kW	7.5kW/7.5kW	9.6kW/9.6kW	11.2kW/11.2kW	12kW/12kW	14.5kW/14.5kW
Low-temperature heating input power (A-20/W35/W41)	2.47kW/2.7kW	3.06kW/3.7kW	4.02kW/4.36kW	4.87kW/5.34kW	4.9kW/5.58kW	6.09kW/6.68kW
Low-temperature heatingCOP(dh) (A-20/W35/W41)	2.22/2.04	2.45/2.03	2.39/2.2	2.30/2.10	2.45/2.15	2.38/2.17
Max. input power/ current	4.4kW/21A	5kW/24A	7kW/33A	7kW/33A	7.5kW/36A	8.5kW/39A
Power supply	220V ~ /50Hz					
Operation Ambient Temp.	- 35 ~ 43℃					
Refrigerant	R32					
Water Pressure Drop (max)	13kPa	13kPa	13kPa	14kPa	16kPa	18kPa
Water Flow	1.03m^3/h	1.55m^3/h	2m^3/h	2.32m^3/h	2.58m^3/h	3.1m^3/h
Diameter of pipe	DN25 (Internal teeth)	DN25 (Internal teeth)	DN32 (Internal teeth)	DN32 (Internal teeth)	DN32 (Internal teeth)	DN32 (Internal teeth)
Anti-electric shock Rate/IP Grade (Level of protection)	I/IPX4					
Nominal heating noise	≤51dB(A)	≤51dB(A)	≤57dB(A)	≤57dB(A)	≤59dB(A)	≤60dB(A)
Net weight	65kg	69kg	98kg	98kg	103kg	135kg
Max.outlet water temperature	60℃					
Body size(W*D*H)	955×450×810	955×450×810	955×450×1346	955×450×1346	955×450×1346	1070×480×1560
Packing size(W*D*H)	1000×450×930	1000×450×930	1050×450×1510	1050×450×1510	1050×450×1510	1170×490×1715

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.

380V EVI DC INVERTER HEAT PUMP

Model	PW050-KFLRDC-Q5PRO/3N	PW060-KFLRDC-Q5PRO/3N	PW080-KFLRDC-Q5MPRO/3N	PW080-KFLRDC-Q5PRO/3N	PW100-KFLRDC-Q5PRO/3N	PW120-KFLRDC-Q5	PW150-KFLRDC-Q5
Rated Heating capacity(A7/W45)	16kW	18kW	20.3kW	23kW	27kW	30.6kW	37.7kW
Rated Heating Power input(A7/W45)	4.57kW	5.3kW	5.67kW	6.52kW	7.71kW	9.09kW	11.5kW
Rated HeatingCOP(A7/W45)	3.5	3.4	3.58	3.53	3.5	3.36	3.27
Nominal Heating capacity (A-12/W35/W41)	11.6kW/11.6kW	13.5kW/13.5kW	15kW/15kW	18kW/18kW	20kW/20kW	22.4kW/22.4kW	30.6kW/30.2kW
Nominal heating input power (A-12/W35/W41)	4.2kW/4.6kW	4.96kW/5.51kW	5.52kW/6kW	6.52kW/7.25kW	7.35kW/8.23kW	8.56kW/9.56kW	11.32kW/12.18kW
Nominal heating COP(h) (A-12/W35/W41)	2.76/2.52	2.72/2.45	2.72/2.50	2.76/2.48	2.72/2.43	2.62/2.34	2.70/2.48
Low-temperature heating capacity (A-20/W35/W41)	9.6kW/9.6kW	11.2kW/11.2kW	12.0kW/12.0kW	14.5kW/14.5kW	17kW/17kW	18.6kW/18.8kW	25.3kW/25.1kW
Low-temperature heating input power (A-20/W35/W41)	4.02kW/4.36kW	4.87kW/5.34kW	4.9kW/5.58kW	6.09kW/6.68kW	7.36kW/8.01kW	8.16kW/9.068kW	10.51kW/11.39kW
Low-temperature heatingCOP(dh) (A-20/W35/W41)	2.39/2.2	2.30/2.10	2.45/2.15	2.38/2.17	2.31/2.12	2.28/2.08	2.40/2.20
Max. input power/ current	8kW/16A	8kW/16A	8kW/16A	10kW/20A	12kW/24A	14.6kW/29.2A	18.4kW/36.55A
Power supply	380V 3N ~ /50Hz						
Operation Ambient Temp.	- 35 ~ 43℃						
Refrigerant	R32						
Water Pressure Drop (max)	13kPa	14kPa	16kPa	18kPa	20kPa	10kPa	15kPa
Water Flow	2m^3/h	2.32m^3/h	2.58m^3/h	3.1m^3/h	3.44m^3/h	3.86m^3/h	5.26m3/h
Diameter of pipe	DN25 (Internal teeth)	DN25 (Internal teeth)	DN32 (Internal teeth)	DN32 (Internal teeth)	DN32 (Internal teeth)	DN40 (Internal teeth)	DN40 (Internal teeth)
Anti-electric shock Rate/IP Grade (Level of protection)	I/IPX4						
Nominal heating noise	≤57dB(A)	≤57dB(A)	≤59dB(A)	≤60dB(A)	≤60dB(A)	≤60dB(A)	≤62dB(A)
Net weight	98kg	98kg	103kg	135kg	140kg	148kg	183kg
Max.outlet water temperature	60℃						
Body size(W*D*H)	955×450×1346	955×450×1346	955×450×1346	1070×480×1560	1070×480×1560	1070×480×1560	1191×540×1558
Packing size(W*D*H)	1050×450×1510	1050×450×1510	1050×450×1510	1170×490×1715	1170×490×1715	1170×490×1715	1300×560×1700

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.

R290 All In One Water Heater Solutions

Unleash the power of air and provide a steady stream of hot water with an air-to-water heat pump!

R290 All-in-one Water Heater

ON/OFF
SYSTEM-ENAMEL
INNER TANK

WIFI
POWER WORLD

R290 All-in-one Water Heater

DC INVERTER
SYSTEM-ENAMEL
INNER TANK

WIFI
POWER WORLD

R290 All-in-one Water Heater

ON/OFF
SYSTEM-ENAMEL
INNER TANK

WIFI
POWER WORLD

WIFI
POWER WORLD

R290
Water Heater
ALL-IN-ONE
ON/OFF system-Enamel Inner tank
Wi-Fi

ON/OFF system-Enamel Inner tank

R290
All-in-one Water Heater

R290 All-in-one Water Heater is a new low-GWP air-to-water water heater developed to create a zero-carbon future. This innovative product is designed to efficiently heat water while reducing energy consumption and saying goodbye to high energy bills.

Features

- R290 low GWP refrigerant (GWP=3, ODP=0).
- Energy efficient class A+
- WIFI smart control
- Stable silent operation
- Working temperature range -7°c ~ 43°c
- Micro-channel heat exchanger.
- **CMEV:** Central mechanical extract ventilation
- Max. outlet hot water temperature up to 75°c
- **Heating capacity/water tank size/appearance:** Customizable

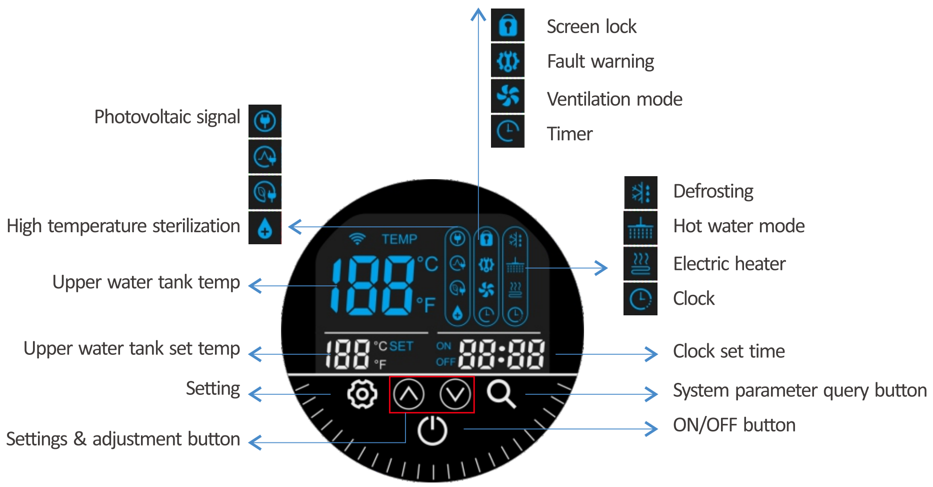
75℃
Stable heating
WIFI
R290

Solar coil: Built-in or without
Inner tank: Enamel tank

R290 zero carbon | Wi-Fi | A+ Energy-Saving | 75℃ Stable heating | 43dB

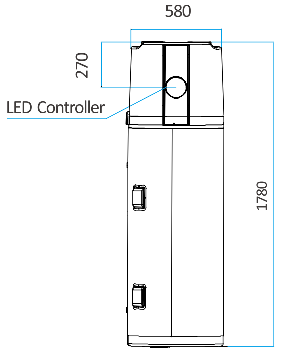
Smart Touch Screen Controller

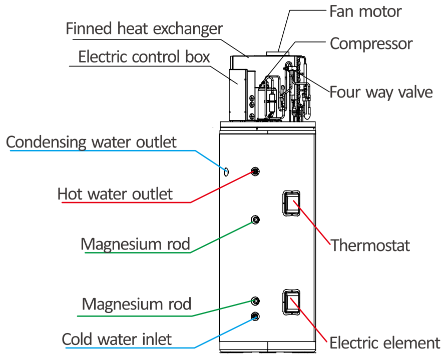
Centralize all controls on the panel, touch operation, easy and simple.

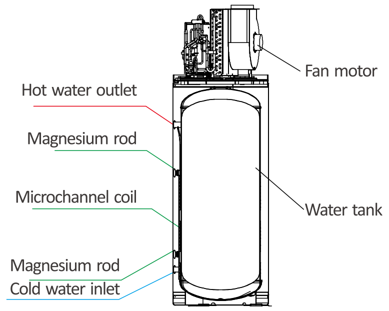

Screen lock
Fault warning
Ventilation mode
Timer
Photovoltaic signal
High temperature sterilization
Upper water tank temp
Upper water tank set temp
Setting
Settings & adjustment button
Defrosting
Hot water mode
Electric heater
Clock
Clock set time
System parameter query button
ON/OFF button
TEMP
188
°C
°F
SET
ON
OFF
88:88

All-in-one Structural Design

It perfectly integrates the heat pump and water storage tank into one unit, saving greater space and cost for users.


580
270
LED Controller
1780


Finned heat exchanger
Electric control box
Fan motor
Compressor
Four way valve
Condensing water outlet
Hot water outlet
Magnesium rod
Thermostat
Magnesium rod
Cold water inlet
Electric element


Hot water outlet
Magnesium rod
Microchannel coil
Magnesium rod
Cold water inlet
Fan motor
Water tank

R290 All-in-one Water Heater ON/OFF Type

Model	PW005-KZJRS(A)/200L
Water tank volume (L)	190
Power Supply	220-240V/ 50Hz
Heating capacity (kW)	1.4
Rated Power (W)	345
Rated Current (A)	1.58
COP	4.06
Electric Heater Rated Power (W)	2000
Electric Heater Rated Current (A)	9.2
Max Input Power(W)	2700
Max Input Current(A)	12.4
Max water pressure(MPa)	0.8
Max exchanger working pressure(MPa)	3.2
Refrigerant	R290
Air discharge	vertical
Working temperature range (°C)	-7~43
Noise(dB)	55
Water pipes connector size	DN20
IP Grade (Level of protection)	IPX1
Net Weight (KG)	104
Gross Weight (KG)	120
Net Dimension(mm)	Φ580×1780
Package Dimension(mm)	660×660×1920
Testing condition:Water Temperature from 15°C to 55°C, Dry bulb temperature 20°C, Wet bulb temperature15°C.	

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.

R290
Water Heater
ALL-IN-ONE
DC inverter system-Enamel Inner tank
SG Ready Smart Heat Pumps
75 °C Max Water Outlet
PV-READY
≥34 STCs/Z4-5
IoT
ZERO CARBON
Wi-Fi
ECO R290 FRIENDLY
POWER WORLD

DC inverter system-Enamel Inner tank

R290
All-in-one Water Heater

It perfectly integrates the heat pump and water storage tank into one outdoor unit, fast producing hot water and save 80% energy costs for users.

Features

- R290 is a new high-efficiency natural refrigerant with low Global Warming Potential(GWP)=3, ODP=0.
- High-efficiency DC inverter technology saves 30% energy than ON/OFF units.
- Zero-cold water control, compatible with AC/DC Pumps, provides instant hot water on demand, maximizing energy efficiency.
- Power/Standard/Silent Mode, 3 operating modes to meet different heating needs.
- Dual heating technology with incorporated electric element to provide hot water up to 75°c.
- Equipped with SG-Ready and PV-Ready ports, compatible with smart grid and photovoltaic systems, maximizing energy bill reduction.
- Built-in Wi-Fi module, no additional Wi-Fi box needed, control with smart App anytime anywhere.
- Equipped with IoT cloud management platform, data visualization, and the mainboard can be upgraded remotely.
- Fully intelligent protection system provides effective safety protection for the unit.
- Equipped with premium configuration, ensuring top-notch performance and unparalleled convenience.
- Eligible for solar and heat pump water heater rebates schemes such as STC & NSW ESS.

SPECIFICALLY DESIGNED FOR OUTDOOR INSTALLATION
4.92
4.92 MAX COP
200L
250L
300L
TANK VOLUME
4/5/6 PEOPLE
INTELLIGENT TEMP CONTROL
ZERO COLD WATER
INTELLIGENT DEFROST
WIFI
POWER WORLD
R290

R290 zero carbon | Wi-Fi | A+ Energy-Saving | 75℃ Stable heating | 43dB

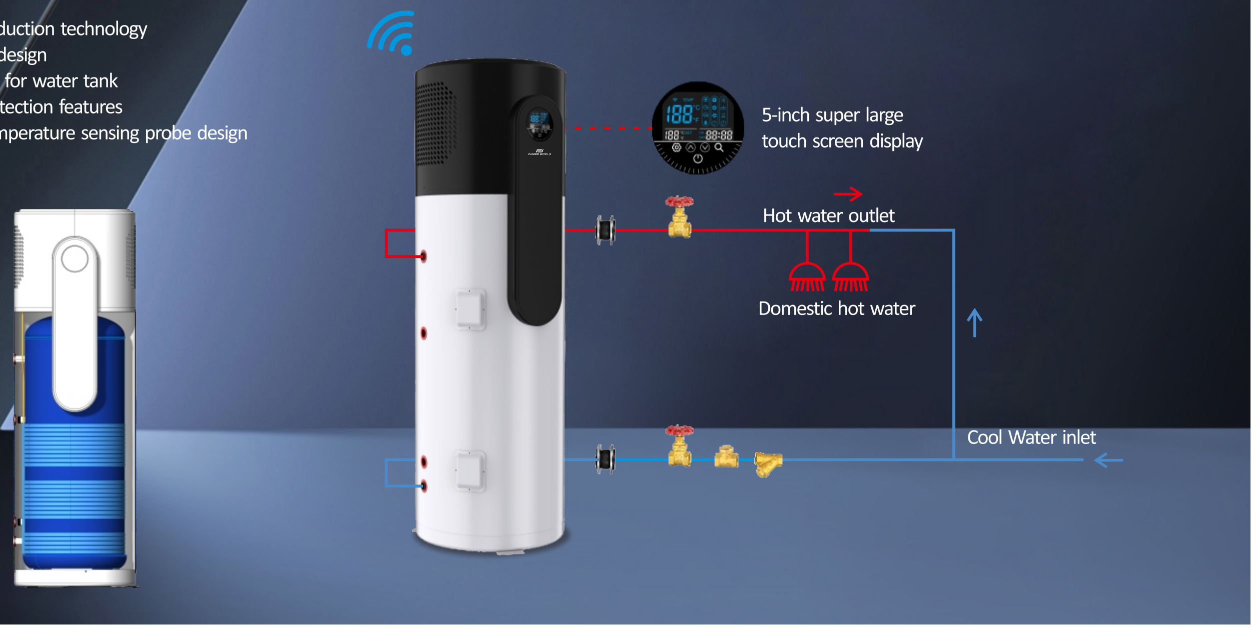
Outstanding Performance

R290 All-in-One Water Heater

All-in-one units combine the functionalities of a water heater and a heat pump, eliminating the need for separate equipment and saving valuable space in your home.

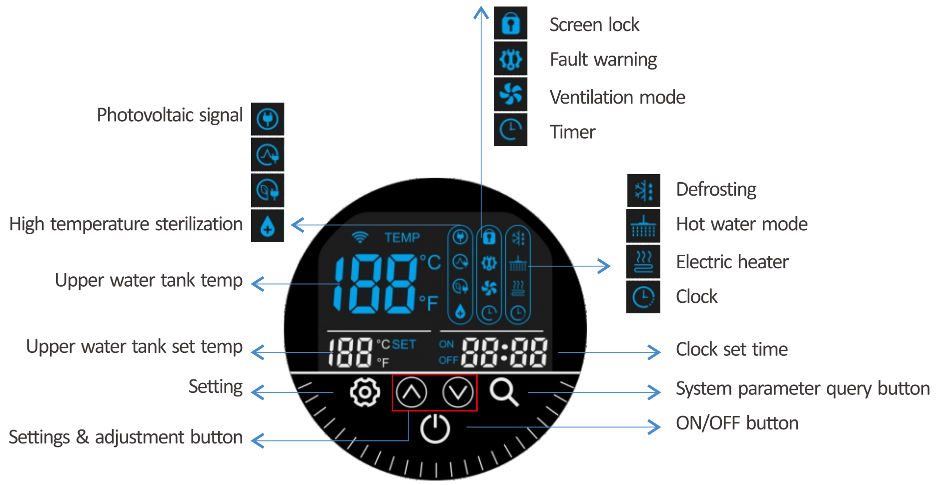
R290 DC Inverter Heat Pump System

1. Multi-level noise reduction technology
2. Multiple insulation design
3. Anti-freezing design for water tank
4. Comprehensive protection features
5. Dual water tank temperature sensing probe design


5-inch super large
touch screen display
Hot water outlet
Domestic hot water
Cool Water inlet

Smart Touch Screen Controller

Centralize all controls on the panel, touch operation, easy and simple.

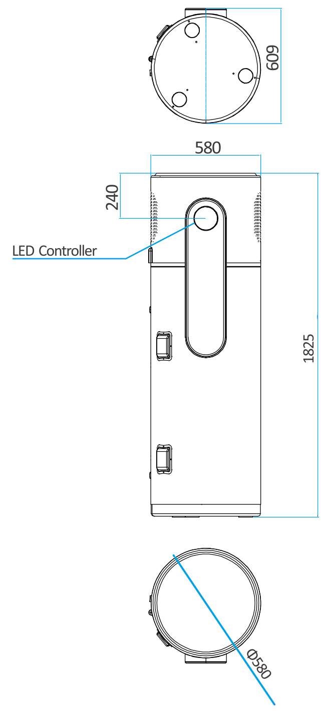

Screen lock
Fault warning
Ventilation mode
Timer
Photovoltaic signal
High temperature sterilization
Upper water tank temp
Upper water tank set temp
Setting
Settings & adjustment button
Defrosting
Hot water mode
Electric heater
Clock
Clock set time
System parameter query button
ON/OFF button
TEMP
188
°C
°F
SET
ON
OFF
88:88

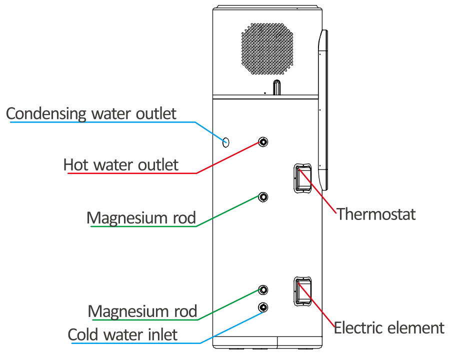
R290 All-in-one Water Heater

Full DC Inverter

Model		PW010-KZJRS(B)/200L
Water tank volume (L)		200
Power Supply		220-240V/1Ph/50Hz/60Hz
Heating capacity (kW)	Power mode	3.6
Rated Power (W)		0.8
Rated Current (A)		3.7
COP		4.50
Heating capacity (kW)	Standard mode	2.8
Rated Power (W)		0.57
Rated Current (A)		2.7
COP		4.92
Heating capacity (kW)	Slient mode	2.0
Rated Power (W)		0.44
Rated Current (A)		2.1
COP		4.58
Electric Heater Rated Power (W)		2000
Max Input Power(W)		3200
Max Input Current(A)		14.6
Max water pressure(MPa)		0.8
Max exchanger working pressure(MPa)		3.2
Refrigerant		R290
Working temperature range (°C)		-7~43
Noise(dB)		56
Tank material		Enamel
Water pipes connector size		DN20
IP Grade (Level of protection)		IPX4
Net Weight (KG)		108
Gross Weight (KG)		120
Net Dimension(mm)		Φ580×1825
Package Dimension(mm)		680×680×1980
Testing condition:Water Temperature from 15°C to 55°C, Dry bulb temperature 20°C, Wet bulb temperature15°C.		

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.


609
580
240
LED Controller
1825
Φ580


Condensing water outlet
Hot water outlet
Magnesium rod
Thermostat
Magnesium rod
Cold water inlet
Electric element

R290

Water Heater

ALL-IN-ONE

ON/OFF system-Stainless steel Inner tank

R290
All-in-one Water Heater

It's a cost-effective and worry-free residential hot water heating solution. With an efficiency up to 3-4 times higher than conventional gas boilers or electrical heaters, it could provide a stable supply of hot water for the bathroom and kitchen 24 hours a day.

Features

- R290 low GWP refrigerant (GWP=3, ODP=0).
- Energy efficient class A+
- WIFI smart control
- Stable silent operation
- Working temperature range -7°c ~ 43°c
- Micro-channel heat exchanger.
- **CMEV:** Central mechanical extract ventilation
- Max. outlet hot water temperature up to 75°c
- **Heating capacity/water tank size/appearance:** Customizable

Solar coil: Built-in or without
Enamel inner tank

DESIGNED FOR SMART ZERO-CARBON HOMES
75°C
Stable heating
150-300L WIFI
80-100L WIFI
R290

R290 zero carbon | Wi-Fi | A+ Energy-Saving | 75°C Stable heating | 43dB

R290 All-in-one Water Heater ON/OFF Type

Model	PW005-KZJRS(A)/80L	PW005-KZJRS(A)/100L
Water tank volume (L)	80	100
Power Supply	220-240V/ 50Hz	
Heating capacity (kW)	1	
Rated Power (W)	245	
Rated Current (A)	1.11	
COP	4.08	
Electric Heater Rated Power (W)	1500	
Electric Heater Rated Current (A)	6.8	
Max Input Power (W)	1820	
Max Input Current (A)	8.3	
Max water pressure (MPa)	0.8	
Max exchanger working pressure (MPa)	3	
Refrigerant	R290	
Max water temperature (°C)	70	
Working temperature range (°C)	-7~43	
Noise (dB)	43	
Water pipes connector size	DN15	
IP Grade (Level of protection)	IPX1	
Net Weight (KG)	45	47
Gross Weight (KG)	57	59
Net Dimension (mm)	Φ510×1058	Φ510×1198
Package Dimension (mm)	580×580×1185	580×580×1295
Testing condition:Water Temperature from 15°C to 55°C, Dry bulb temperature 20°C, Wet bulb temperature15°C.		

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.

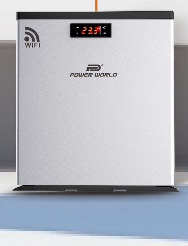
R290 All-in-one Water Heater ON/OFF Type

Model	PW005-KZJRS(B)/150L	PW005-KZJRS(B)/200L	PW005-KZJRS(B)/250L	PW005-KZJRS(B)/300L
Water tank volume (L)	150L	200L	250L	300L
Power Supply	220-240V/ 50Hz	220-240V/ 50Hz	220-240V/ 50Hz	220-240V/ 50Hz
Heating capacity (kW)	1.8	1.8	1.8	1.8
Rated Power (W)	431	426	424	421
Rated Current (A)	1.97	1.95	1.94	1.92
COP	4.18	4.23	4.25	4.28
Electric Heater Rated Power (W)	1500			
Electric Heater Rated Current (A)	7.1			
Max Input Power (W)	2200			
Max Input Current (A)	10.6			
Max water pressure (MPa)	0.8			
Max exchanger working pressure (MPa)	3.2			
Inside body material of tank	SUS 304/316L/2205			
Compressor brand	HIGHLY			
Refrigerant	R290			
Working temperature range (°C)	-5~43			
Noise (dB)	46			
Water pipes connector size	DN20			
IP Grade (Level of protection)	IPX1			
Net Weight (KG)	62	72	90	108
Gross Weight (KG)	70	82	102	122
Net Dimension(mm)	Φ560×1470	Φ560×1765	Φ640×1630	Φ640×1860
Package Dimension(mm)	630×630×1650	630×630×1945	720×720×1810	720×720×2040
Loading quantity (carton)	27/57		24/48	
Testing condition:Water Temperature from 15°C to 55°C, Dry bulb temperature 20°C, Wet bulb temperature15°C.				

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.

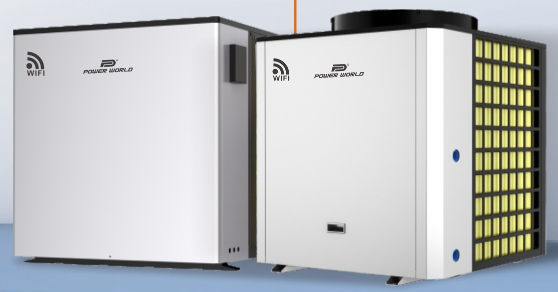
Constant Temperature Swimming Pool Heating Solutions

Swim Longer and Save More: Enjoy Up to 75% Savings on Your Electricity Bill with Our Efficient Pool Heat Pumps!


WIFI
POWER WORLD

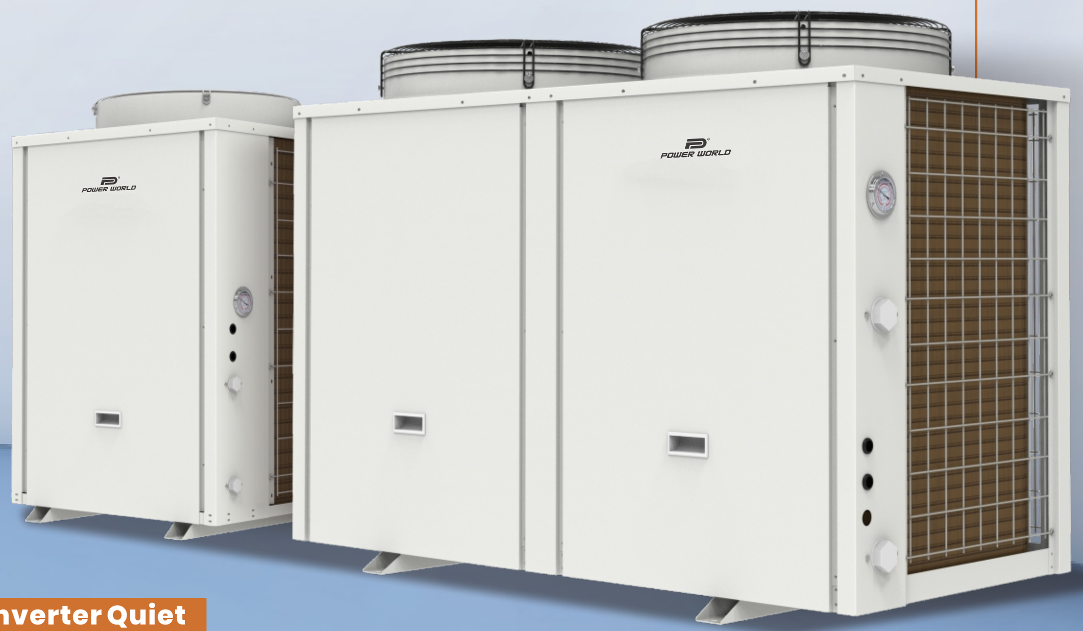
R32 Mini SPA Heat Pump SERIES

FOR POOL 5~25m^3
DC INVERTER
OR ON/OFF


WIFI
POWER WORLD
WIFI
POWER WORLD

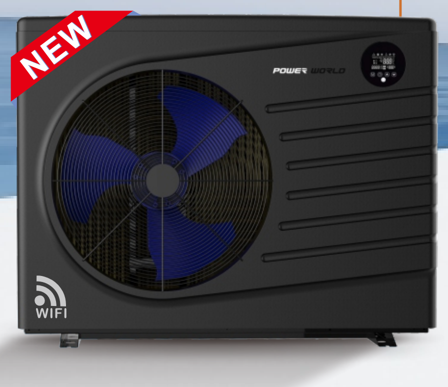
R32 DC Inverter Ultra SERIES

FOR POOL 25~120m^3


POWER WORLD
POWER WORLD

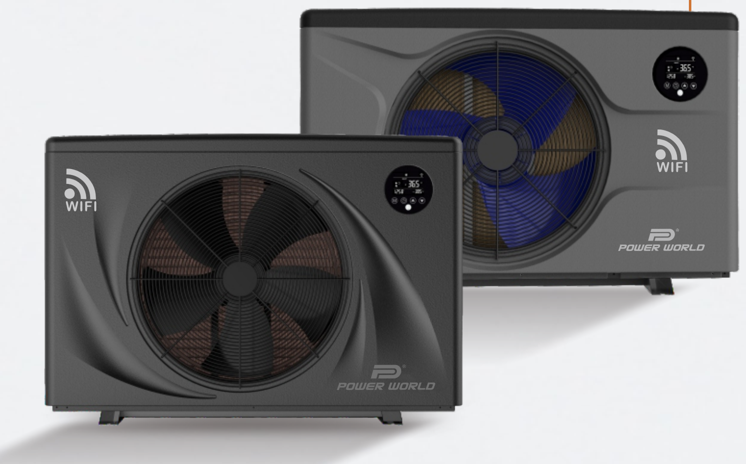
R410A COMMERICAL SERIES

FOR POOL 40~500m^3


NEW
POWER WORLD
WIFI

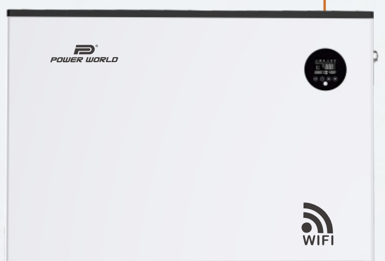
R290 DC INVERTER ULTRA QUIET SERIES

FOR POOL 25~130m^3


WIFI
POWER WORLD
WIFI
POWER WORLD

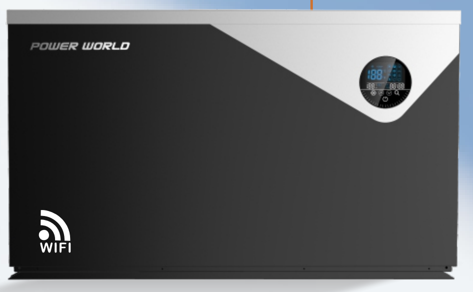
R32 DC Inverter Quiet Pro SERIES

FOR POOL 15~120m^3


POWER WORLD
WIFI

R32 DC Inverter Quiet SERIES

FOR POOL 25~130m^3


POWER WORLD
WIFI

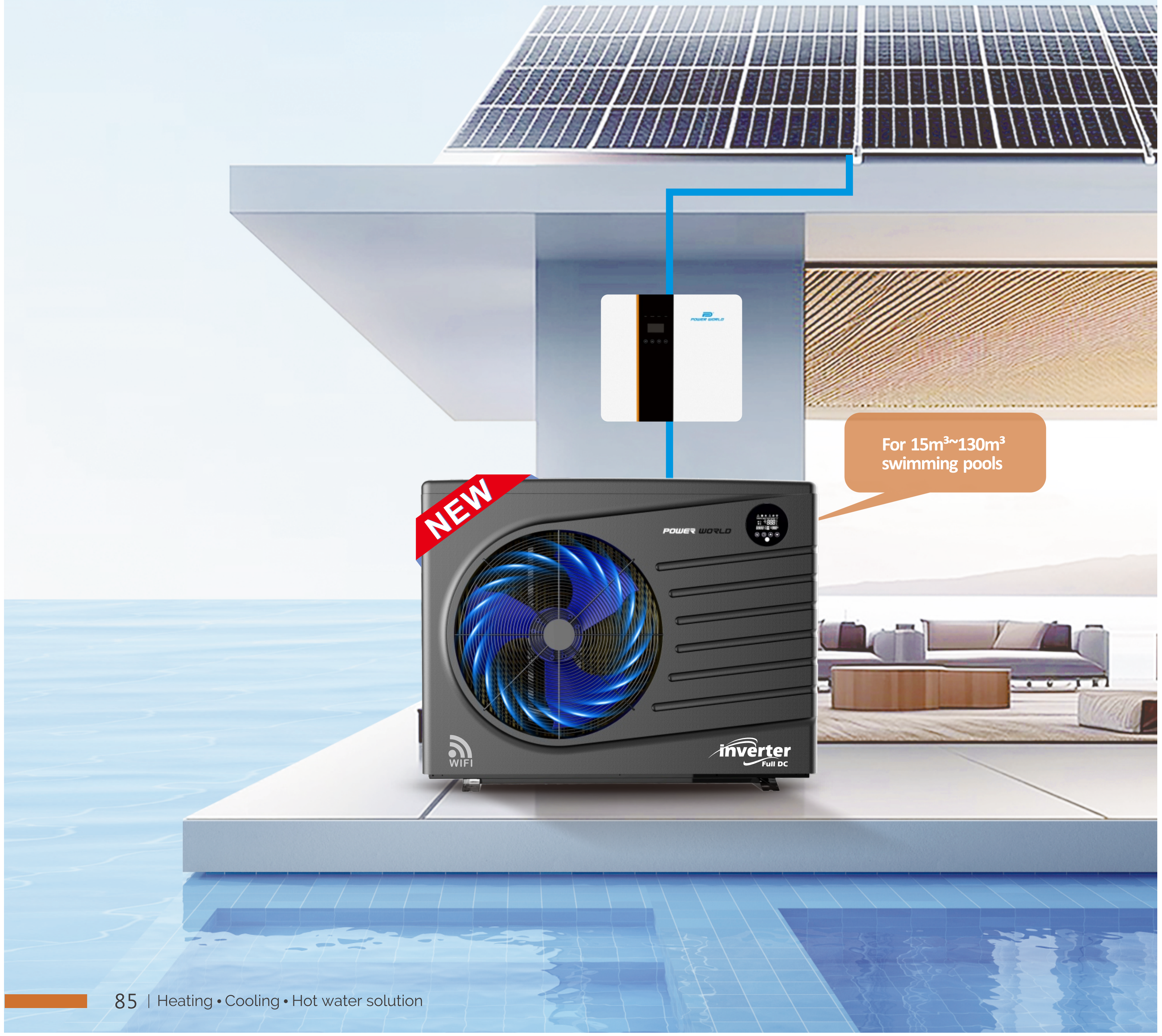
R32 DC Inverter Smart SERIES

FOR POOL 25~130m^3

R290 SERIES

ULTRA QUIET

DC Inverter



For 15m³~130m³ swimming pools

R290 DC Inverter Ultra Quiet Series

It features the most environmentally friendly and market-promising R290 zero-carbon refrigerant, combined with full DC inverter technology, advanced noise reduction techniques, smart grid and photovoltaic compatible technology. This ensures ultra-quiet and eco-friendly sustainable heating for your pools.

Features

- R290 refrigerant, low GWP(GWP=3)
- COP up to 18.0
- -20°C~43°C wide operating temperature range
- Noise as low as 40dB(A) at 1 meter.
- Three operational modes: Silent, Smart, and Powerful modes
- PID intelligent defrost technology for long-lasting stability
- SG ready & PV ready
- Intelligent explosion-proof (optional)
- Sleek screwless design for seamless aesthetic integration

18.0
COP
NEW
WIFI
inverter
Full DC

R290 zero carbon | 40dB | SG Ready Smart Heat Pumps | PV-READY

18.0 COP | 75% Max energy saving | -20°C Ultra low temp | Cloud Platform | PID intelligent defrost | WIFI Control | Wide Working Range -7°C ~43°C | Smart anti-explosion system is optional

Green Smart Energy Efficiency & Intelligent Power Scheduling

The R290 Ultra Quiet series pool heat pump comes standard with SG-Ready and PV-Ready functionality, enabling seamless integration with smart grids and photovoltaic/storage systems. By receiving signals from the smart grid, the heat pump automatically adjusts its operation based on grid load (off-peak or peak power) and solar power generation, minimizing energy waste, reducing energy costs, and minimizing carbon footprint.

SG
Ready
Smart Heat Pumps
PV-READY
SG-READY / PV-READY
inverter

Ultra-Quiet Operation for a Comfortable Experience

Featuring multiple noise reduction technology, the R290 Ultra Quiet series heat pump minimizes operational noise, providing a nearly silent and peaceful environment whether at home or outdoors.

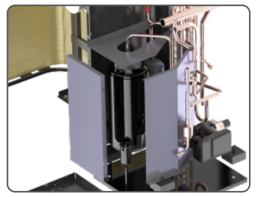
1) Optimized airflow duct design for reduced air resistance.

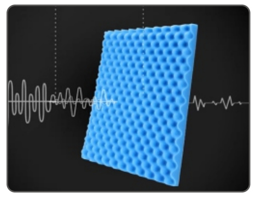
2) Independent compressor chamber design to reduce mechanical noise.

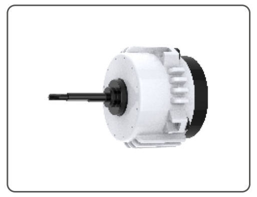
3) PU wave acoustic foam inside effectively absorbs and blocks various mechanical noises.

4) High-end configuration:

- Full DC inverter compressor: Low vibration, low noise, minimal compressor interference.
- Full DC inverter brushless motor: Stepless speed control, high airflow, low noise.
- Large angle 3D axial plastic fan blades: High airflow, low noise.


Independent compressor chamber


PU wave acoustic foam


Welling full DC inverter brushless motor

Large angle 3D axial plastic fan blades

R290 DC Inverter Ultra Quiet Series

Model	PW010 -KZXYC-E	PW020 -KZXYC-E	PW030 -KZXYC-E	PW040 -KZXYC-E	PW050 -KZXYC-E	PW060 -KZXYC-E	PW070 -KZXYC-E	PW080 -KZXYC-E
Operating air temperature (°C)	-20 ~43							
Performance Condition: Air 27°C, Water 26°C, Humidity 80%								
Heating capacity (kW)	6.0~1.6	9.0~2.2	12.0~3.0	16.0~3.5	20.0~4.0	24.2~5.3	28.6~8.3	33.1~8.5
Heating capacity (Btu)	20470~5460	30700~6820	40940~10240	54590~11940	68240~13650	82570~18080	97583~28320	112937~27296
Consumed power (kW)	0.90~0.09	1.32~0.12	1.76~0.16	2.32~0.19	2.86~0.21	3.51~0.28	4.21~0.45	4.93~0.46
COP	6.7~18.5	6.8~18.4	6.8~18.6	6.9~18.7	7.0~18.8	6.9~18.7	6.8~18.6	6.7~18.5
COP at 50% capacity	10.2	10.1	10.3	10.4	10.3	10.1	10.2	10.1
Performance Condition: Air 15°C, Water 26°C, Humidity 70%								
Heating capacity (kW)	4.6~1.3	7.0~1.7	9.0~2.2	11.8~2.7	15~3.0	17.8~3.8	22.8~5.5	25.2~7.5
Heating capacity (Btu)	15700~4435	23880~5800	30700~7500	40260~9210	51180~10230	60730~12960	77794~18766	85982~25590
Consumed power (kW)	1.17~0.20	1.51~0.24	2.05~0.29	2.62~0.37	3.33~0.44	4.32~0.61	4.91~0.81	5.36~1.15
COP	3.9~6.2	4.6~7.0	4.4~7.5	4.5~7.3	4.5~6.8	4.1~6.2	4.6~6.8	4.7~6.5
COP at 50% capacity	5.5	5.8	5.6	6.5	6.1	5.6	6.1	6.2
Performance Condition: Air 35°C, Water 28°C, Humidity 80%								
Cooling capacity (kW)	4.0	6.0	8.0	10.0	11.3	13.0	16.0	17.5
Consumed power (kW)	1.05	1.58	2.35	2.63	2.97	3.47	3.48	4.06
EER	3.8	3.8	3.4	3.8	3.8	3.8	4.6	4.3
Sound pressure at 1m dB(A)	36~48	38~49	40~50	43~53	43~54	44~56	47~58	48~60
Sound pressure of 50% capacity at 1m dB(A)	42	42	45	46	48	49	52	54
Sound pressure at 10m dB(A)	18~28	19~29	20~30	23~31	24~32	25~33	27~38	28~40
Heat exchanger	Spiral titanium tube in PVC							
Casing	ABS plastic casing black color							
Power supply	230V/1 Ph/50Hz/60Hz							
Water connection (mm)	Φ50							
Max. power input(kW)	1.5	2.3	2.9	3.5	4.4	5.5	6.9	7
Max. current (A)	7.2	11.1	14.0	16.0	20.2	25.2	31.1	31.8
Advised water flux (m^3/h)	2.6	3.9	5.2	6.9	8.6	10.1	12.04	14.2
Water Pressure Drop (max) kPa	2	5	9	9	14	19	20	20
Net weight/Gross weight(kg)	52/62	60/70	62/72	80/92	83/95	86/98	118/132	120/134
Body size(mm)	1036*410*605			1130*480*816			1235*490*980	
Refrigerant	R290							
Compressor	DC Inverter							
Operating water temperature(°C) Heating	9 ~40							
Operating water temperature(°C) Cooling	9 ~35							

① The advised pool volumes are valid under ideal conditions: Air 27°C, Water 26°C, Humidity 80%, Pool covered with an isothermal cover.

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.

R32 SERIES
QUIET
DC Inverter
Wi-Fi
POWER WORLD

R32 DC Inverter Quiet Series

A full DC inverter-controlled all-season pool heat pump, saving up to 75% energy power, perfect for private residential pools from 25~130m³.

Features

- High-temperature and corrosion-resistant metal casing, suitable for various environments.
- New screw-free design for a more high-end and elegant appearance.
- Equipped with a renowned Panasonic compressor and a full DC inverter brushless motor for stepless speed control, offering more stable performance, lower noise, and 20% to 50% energy savings compared to ON/OFF systems.

FULL DC
INVERTER

15.0
COP
WIFI
POWER WORLD

- 43dB
- Heating& Cooling
- Cloud Platform
- 15.0 COP
- Wide Working Range -7°C ~43°C
- Intelligent Defrost
- Wi-Fi

R32 DC Inverter Quiet Series

Model	PW010 -KZXYC-B	PW015 -KZXYC-B	PW020 -KZXYC-B	PW030 -KZXYC-B
Advised pool volume (m3) ①	15~30	20~40	25~50	30~60
Operating air temperature (°C)	-7~43°C			
Performance Condition: Air 27°C, Water 26°C, Humidity 80%				
Heating capacity (kW)	7.50~1.92	9.50~2.10	11.00~2.50	14.00~3.15
Heating capacity (Btu)	25500~6528	32300~7140	37400~8500	47600~10710
Consumed power (kW)	1.15~0.13	1.46~0.14	1.83~0.17	2.15~0.21
COP	6.5~14.8	6.5~15.0	6.0~14.7	6.5~15.0
COP at 50% capacity	10.5	11	11	10.5
Performance Condition: Air 15°C, Water 26°C, Humidity 70%				
Heating capacity (kW)	5.80~1.42	7.2~1.50	8.5~1.65	10.7~2.40
Heating capacity (Btu)	19720~4828	24480~5100	28900~5610	36380~8160
Consumed power (kW)	1.15~0.20	1.43~0.21	1.77~0.23	2.12~0.34
COP	5.0~7.1	5.0~7.2	4.8~7.2	5.0~7.1
COP at 50% capacity	6.5	6.5	6.5	6.5
Performance Condition: Air 35°C, Water 28°C, Humidity 80%				
Cooling capacity (kW)	4	5.2	6	7.2
Sound pressure at 1m dB(A)	38~48	38~48	40~50	42~51
Sound pressure of 50% capacity at 1m dB(A)	40	40	41	43
Sound pressure at 10m dB(A)	18~25	18~25	19~26	22~27
Heat exchanger	Spiral titanium tube in PVC shell			
Casing	Metal Casing			
Refrigerant	R32			
Power supply	220V~230V/1 Ph/50Hz~60Hz			
Water connection (mm)	Φ50			
Rated input current at air 15°C (A)	5.1~0.9	6.3~0.9	7.8~1.0	9.3~1.5
Advised water flux (m³/h)	2~4	2~4	3~5	4~6
Water pressure drop (max) KPa	5	5	8	10
Net weight / Gross weight (kg)	62/75	62/75	64/77	70/83
Product size (mm)	980X402X636			
Operating water temperature(°C) Heating	9~40°C			
Operating water temperature(°C) Cooling	9~35°C			

① The advised pool volumes are valid under ideal conditions: Air 27°C, Water 26°C, Humidity 80%, Pool covered with an isothermal cover.

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.

R32 DC Inverter Quiet Series

Model	PW040 -KZXYC-B	PW050 -KZXYC-B	PW060 -KZXYC-B	PW070 -KZXYC-B	PW080 -KZXYC-B
Advised pool volume (m3) ①	40~75	55~100	55~100	60~120	70~130
Operating air temperature (°C)	-7~43°C				
Performance Condition: Air 27°C, Water 26°C, Humidity 80%					
Heating capacity (kW)	17.00~3.75	20.00~4.00	24.00~4.80	28.0~5.6	32.5~6.5
Heating capacity (Btu)	57800~13090	68000~13600	81600~16320	95500~19100	110900~22100
Consumed power (kW)	2.62~0.25	3.33~0.27	4.00~0.32	4.75~0.37	5.42~0.43
COP	6.5~15.0	6.0~14.8	6.0~15.0	6.0~15.0	6.0~15.0
COP at 50% capacity	11	11	11	11	11
Performance Condition: Air 15°C, Water 26°C, Humidity 70%					
Heating capacity (kW)	13.0~2.65	15.6~2.85	18.7~3.42	21.8~4.36	25.4~5.07
Heating capacity (Btu)	44200~9010	53040~9690	63580~11630	74380~14880	86665~17300
Consumed power (kW)	2.58~0.36	3.25~0.40	3.89~0.49	4.54~0.62	5.29~0.72
COP	5.0~7.4	4.8~7.0	4.8~7.0	4.8~7.0	4.8~7.0
COP at 50% capacity	6.5	6.5	6.5	6.5	6.5
Performance Condition: Air 35°C, Water 28°C, Humidity 80%					
Cooling capacity (kW)	8.6	10.1	11.8	13.8	15.6
Sound pressure at 1m dB(A)	43~52	43~53	44~54	45~56	45~57
Sound pressure of 50% capacity at 1m dB(A)	44	44	45	48	49
Sound pressure at 10m dB(A)	23~30	24~31	25~32	26~34	26~35
Heat exchanger	Spiral titanium tube in PVC shell				
Casing	Metal Casing				
Refrigerant	R32				
Power supply	220V~230V/1 Ph/50Hz~60Hz				
Water connection (mm)	Φ50				
Rated input current at air 15°C (A)	11.3~1.6	14.3~1.8	17.8~2.3	20.8~2.8	24.2~3.3
Advised water flux (m³/h)	6~9	8~10	9~12	10~14	12~16
Water pressure drop (max) KPa	12	15	15	20	25
Net weight / Gross weight (kg)	81/95	81/95	93/108	110/128	115/133
Product size (mm)	1107X503X760			1187X503X900	
Operating water temperature(°C) Heating	9~40°C				
Operating water temperature(°C) Cooling	9~35°C				

① The advised pool volumes are valid under ideal conditions: Air 27°C, Water 26°C, Humidity 80%, Pool covered with an isothermal cover.

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.

R32 SERIES

QUIET PRO

DC Inverter

Wi-Fi
POWER WORLD
POWER WORLD

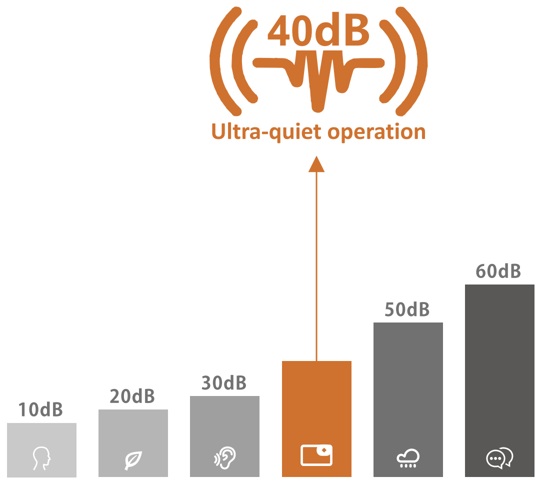
R32 DC Inverter Quiet Pro Series

The epitome of modern minimalist aesthetics, silent operation and optimal energy efficiency, it is meticulously designed for high-end residential heated swimming pools of 15~130m³.

Features

- Corrosion-resistant ABS plastic casing
- Front-facing airflow design Higher heat exchange efficiency Better heat dissipation
- Multiple noise reduction designs, with noise levels as low as 40dB(A) for virtually silent operation.
- Supports PV Direct Drive which cuts your costs and grid dependence by utilizing solar energy first.

15.0
COP
WIFI
POWER WORLD



15.0
COP
WIFI
POWER WORLD

40dB | Heating& Cooling | Cloud Platform | 15.0 COP | Wide Working Range -7°C ~43°C | Intelligent Defrost | Wi-Fi

R32 DC Inverter Quiet Pro Series

Model	PW010 -KZXYC-H	PW015 -KZXYC-H	PW020 -KZXYC-H	PW030 -KZXYC-H	PW040 -KZXYC-H	PW050 -KZXYC-H	PW060 -KZXYC-H
Advised pool volume (m3) ①	15~30	20~40	25~50	30~60	40~75	55~100	55~100
Operating air temperature (°C)	-7~43°C						
Performance Condition: Air 27°C, Water 26°C, Humidity 80%							
Heating capacity (kW)	7.50~1.92	9.50~2.10	11.00~2.50	14.00~3.15	17.00~3.75	20.00~4.00	24.00~4.80
Heating capacity (Btu)	25500~6528	32300~7140	37400~8500	47600~10710	57800~13090	68000~13600	81600~16320
Consumed power (kW)	1.15~0.13	1.46~0.14	1.83~0.17	2.15~0.21	2.62~0.25	3.33~0.27	4.00~0.32
COP	6.5~14.8	6.5~15.0	6.0~14.7	6.5~15.0	6.5~15.0	6.0~14.8	6.0~15.0
COP at 50% capacity	10.5	11	11	10.5	11	11	11
Performance Condition: Air 15°C, Water 26°C, Humidity 70%							
Heating capacity (kW)	5.80~1.42	7.2~1.50	8.5~1.65	10.7~2.40	13.0~2.65	15.6~2.85	18.7~3.42
Heating capacity (Btu)	19720~4828	24480~5100	28900~5610	36380~8160	44200~9010	53040~9690	63580~11630
Consumed power (kW)	1.15~0.20	1.43~0.21	1.77~0.23	2.12~0.34	2.58~0.36	3.25~0.40	3.89~0.49
COP	5.0~7.1	5.0~7.2	4.8~7.2	5.0~7.1	5.0~7.4	4.8~7.0	4.8~7.0
COP at 50% capacity	6.5	6.5	6.5	6.5	6.5	6.5	6.5
Performance Condition: Air 35°C, Water 28°C, Humidity 80%							
Cooling capacity (kW)	4	5.2	6	7.2	8.6	10.1	11.8
Sound pressure at 1m dB(A)	38~48	38~48	40~50	42~51	43~52	43~53	44~54
Sound pressure of 50% capacity at 1m dB(A)	40	40	41	43	44	44	45
Sound pressure at 10m dB(A)	18~25	18~25	19~26	22~27	23~30	24~31	25~32
Heat exchanger	Spiral titanium tube in PVC shell						
Casing	ABS plastic casing black color						
Refrigerant	R32						
Power supply	220V~230V/1 Ph/50Hz~60Hz						
Water connection (mm)	Φ50						
Rated input current at air 15°C (A)	5.1~0.9	6.3~0.9	7.8~1.0	9.3~1.5	11.3~1.6	14.3~1.8	17.8~2.3
Advised water flux (m³/h)	2~4	2~4	3~5	4~6	6~9	8~10	9~12
Water pressure drop (max) KPa	5	5	8	10	12	15	15
Net weight / Gross weight (kg)	56/68	56/68	58/70	64/76	72/86	72/86	80/94
Product size (mm)	1000X396X640				1125X416X765		
Operating water temperature(°C) Heating	9~40°C						
Operating water temperature(°C) Cooling	9~35°C						

① The advised pool volumes are valid under ideal conditions: Air 27°C, Water 26°C, Humidity 80%, Pool covered with an isothermal cover.

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.

R32 DC Inverter Quiet Pro Series

Model	PW070 -KZXYC-H	PW080 -KZXYC-H	PW060 -KZXYC-H	PW080 -KZXYC-H
Advised pool volume (m3) ①	60~120	70~130	60~110	70~130
Operating air temperature (°C)	-7~43°C			
Performance Condition: Air 27°C, Water 26°C, Humidity 80%				
Heating capacity (kW)	28.0~5.6	32.5~6.5	24.00~4.80	32.5~6.5
Heating capacity (Btu)	95500~19100	110900~22100	81600~16320	110900~22100
Consumed power (kW)	4.75~0.37	5.42~0.43	4.00~0.32	5.42~0.43
COP	6.0~15.0	6.0~15.0	6.0~15.0	6.0~15.0
COP at 50% capacity	11	11	11	11
Performance Condition: Air 15°C, Water 26°C, Humidity 70%				
Heating capacity (kW)	21.8~4.36	25.4~5.07	18.7~3.42	25.4~5.07
Heating capacity (Btu)	74380~14880	86665~17300	63580~11630	86665~17300
Consumed power (kW)	4.54~0.62	5.29~0.72	3.89~0.49	5.29~0.72
COP	4.8~7.0	4.8~7.0	4.8~7.0	4.8~7.0
COP at 50% capacity	6.5	6.5	6.5	6.5
Performance Condition: Air 35°C, Water 28°C, Humidity 80%				
Cooling capacity (kW)	13.8	15.6	11.8	15.6
Sound pressure at 1m dB(A)	45~56	45~57	44~54	45~57
Sound pressure of 50% capacity at 1m dB(A)	48	49	45	49
Sound pressure at 10m dB(A)	26~34	26~35	25~32	26~35
Heat exchanger	Spiral titanium tube in PVC shell			
Casing	ABS plastic casing black color			
Refrigerant	R32			
Power supply	220V~230V/1 Ph/50Hz~60Hz		380V/3 Ph/50Hz/60Hz	
Water connection (mm)	Φ50			
Rated input current at air 15°C (A)	20.8~2.8	24.2~3.3	6.9~0.9	9.4~1.3
Advised water flux (m³/h)	10~14	12~16	9~12	12~16
Water pressure drop (max) KPa	20	25	15	25
Net weight / Gross weight (kg)	90/105	93/108	80/94	93/108
Product size (mm)	1156X433X905		1125X416X765	1156X433X905
Operating water temperature(°C) Heating	9~40°C			
Operating water temperature(°C) Cooling	9~35°C			

① The advised pool volumes are valid under ideal conditions: Air 27°C, Water 26°C, Humidity 80%, Pool covered with an isothermal cover.

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.

R32 Heat Pump MINI SPA

DC Inverter

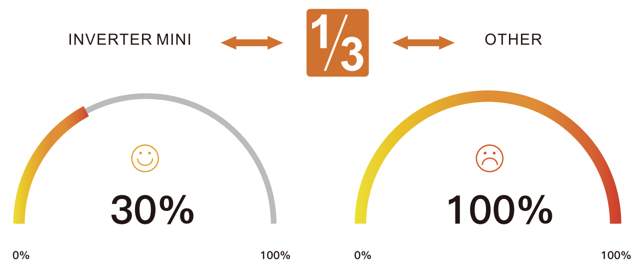
Wi-Fi
23.3
POWER WORLD

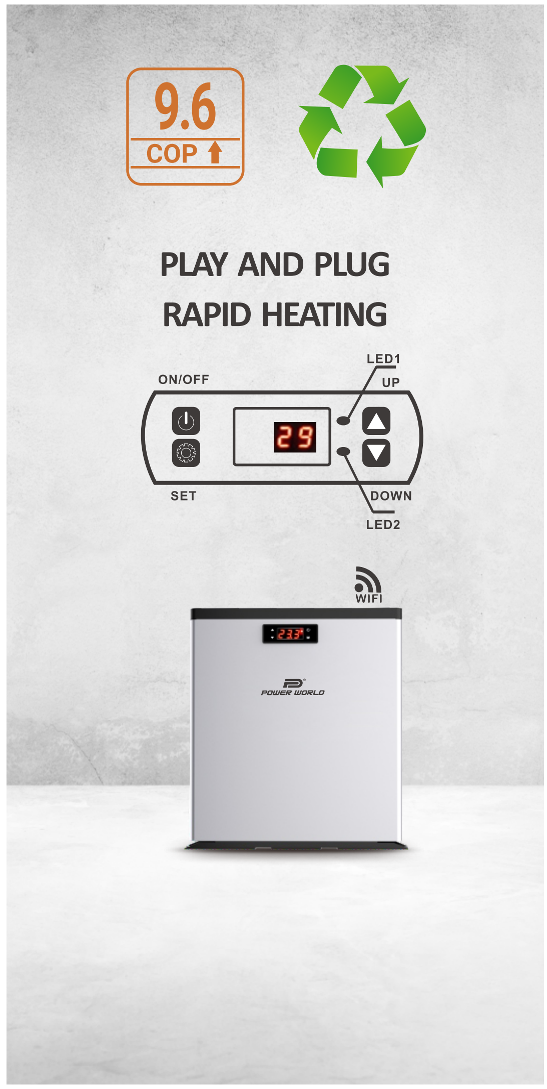
R32 DC Inverter Mini SPA Heat Pump

A new device for the hot tub and spa market, featuring rapid heating and quick installation. It is specifically designed for pools and spas up to 25 m³.

Two Choices for You

- Full DC Inverter Type
  20% to 50% more energy-efficient than ON/OFF systems, with better performance and smarter features.
- ON/OFF Type
  More cost-effective options




9.6
COP
PLAY AND PLUG
RAPID HEATING
ON/OFF
LED1
UP
29
SET
DOWN
LED2
WIFI
23.3
POWER WORLD

R32 Refrigerant

45dB

Heating& Cooling

75% Max energy saving

9.6 COP MAX

Ambient Temp -5°C ~43°C

Intelligent Defrost

Lightweight design

LED panel

Patent design

Easy installation

DC Inverter MiNi SPA Series

Model	PW008-KZXYC-F	PW015-KZXYC-F
Advised pool volume (m3) ①	5~15	15~25
Operating air temperature (°C)	-5 ~43°C	
Performance Condition: Air 27°C, Water 26°C, Humidity 80%		
Heating capacity (kW)	4.0-1.0	5.5-1.4
Heating capacity (Btu)	13650~3410	18766~4780
Consumed power (kW)	0.8-0.11	1.1~0.15
COP	5.0~9.5	5.0~9.6
Performance Condition: Air 15°C, Water 26°C, Humidity 70%		
Heating capacity (kW)	2.5-0.65	3.7-0.8
Heating capacity (Btu)	8530~2218	12625~2730
Consumed power (kW)	0.63-0.11	0.93~0.13
COP	4.0~6.1	4.0~6.0
Performance Condition: Air 35°C, Water 28°C, Humidity 80%		
Cooling capacity (kW)	1.5	2.8
Sound pressure at 1m dB(A)	45	48
Sound pressure at 10m dB(A)	30	32
Heat exchanger	Spiral titanium tube in PVC	
Casing	Metal Casing	
Refrigerant	R32	
Power supply	220 ~240V/1 Ph/50Hz/60Hz	
Water connection (mm)	Φ32	
Rated input current at air 15°C (A)	2.86~0.5	4.23~0.59
Advised water flux (m³/h)	1.5~2.0	2.0~2.5
Water pressure drop (max) KPa	15	20
Net weight / Gross weight (kg)	28/30	36/39
Product size (mm)	394X444X435	498X499X500
Operating water temperature(°C) Heating	9~40°C	
Operating water temperature(°C) Cooling	9~35°C	

① The advised pool volumes are valid under ideal conditions: Air 27°C, Water 26°C, Humidity 80%, Pool covered with an isothermal cover.

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.

ON/OFF MiNi SPA Series

Model	PW005-KZXYC-F	PW008-KZXYC-F	PW012-KZXYC-F	PW015-KZXYC-F
Advised pool volume (m3) ①	5~15	10~20	12~22	15~25
Operating air temperature (°C)	-5 ~43°C			
Performance Condition: Air 27°C, Water 26°C, Humidity 80%				
Heating capacity (kW)	2.8	3.5	4.5	5.5
Heating capacity (Btu)	9520	11900	15300	18700
Consumed power (kW)	0.56	0.65	0.83	1.02
COP	5.0	5.4	5.4	5.4
Performance Condition: Air 15°C, Water 26°C, Humidity 70%				
Heating capacity (kW)	2.0	2.5	3.3	3.9
Heating capacity (Btu)	6800	8500	11050	13328
Consumed power (kW)	0.53	0.63	0.81	0.98
COP	3.8	4.0	4.0	4.0
Performance Condition: Air 35°C, Water 28°C, Humidity 80%				
Cooling capacity (kW)	1.5	2.0	2.6	3.3
Sound pressure at 1m dB(A)	45	46	47	48
Sound pressure at 10m dB(A)	28	30	31	32
Heat exchanger	Spiral titanium tube in PVC			
Casing	Metal Casing			
Refrigerant	R32			
Power supply	220 ~240V/1 Ph/50Hz			
Water connection (mm)	Φ32			
Rated input current at air 15°C (A)	2.42	2.88	3.50	4.30
Advised water flux (m³/h)	1.0~1.5	1.5~2.0	1.7~2.2	2.0~2.5
Water pressure drop (max) KPa	2	2	4	4
Net weight / Gross weight (kg)	25/27	26/28	33/36	34/37
Product size (mm)	394X444X435		498X499X500	
Operating water temperature(°C) Heating	9~40°C			
Operating water temperature(°C) Cooling	9~35°C			

① The advised pool volumes are valid under ideal conditions: Air 27°C, Water 26°C, Humidity 80%, Pool covered with an isothermal cover.

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.

R32 SERIES
FULL DC
INVERTER
R32
COP
COP UP TO 20
-15°C
LOW-TEMP OPERATION
POWER WORLD

R32 Full DC Inverter Series

It delivers powerful, eco-conscious heating and cooling for pool volumes from 15 to 150m³, combining high energy efficiency (COP up to 20) with whisper-quiet operation and smart, user-friendly control.

Features

- Ultra-High Efficiency COP up to 20.0
- Whisper-Quiet Operation ≤40 dB(A)
- Equipped with PID intelligent defrost system, suspended evaporator and 2-meter bottom heating belt
- Screwless Snap-Fit Design for easy maintenance and a sleek appearance
- Built-in WiFi & SmartLife App Control
- Plug-and-Play: Pre-insulated pipes and waterproof cable clamps

20.0
COP
WIFI
POWER WORLD

R32 Refrigerant	20.0 COP	40dB	Heating & Cooling	intelligent defrost	WIFI Control	Wide Working Range -15°C ~43°C

3 Intelligent Modes,one Seamless Experience

Silent Mode

≤40 dB(A) at 1m
perfect for quiet nights.

Power Mode

Rapid heating, adjustable water
temperature range of 9~40°C

Smart Mode

AI-driven optimization
with COP up to 20.

DC Inverter Compressor

Delivers ultra-low vibration and whisper-quiet operation—even in -15°C conditions.
Stable. Silent. Trusted technology.

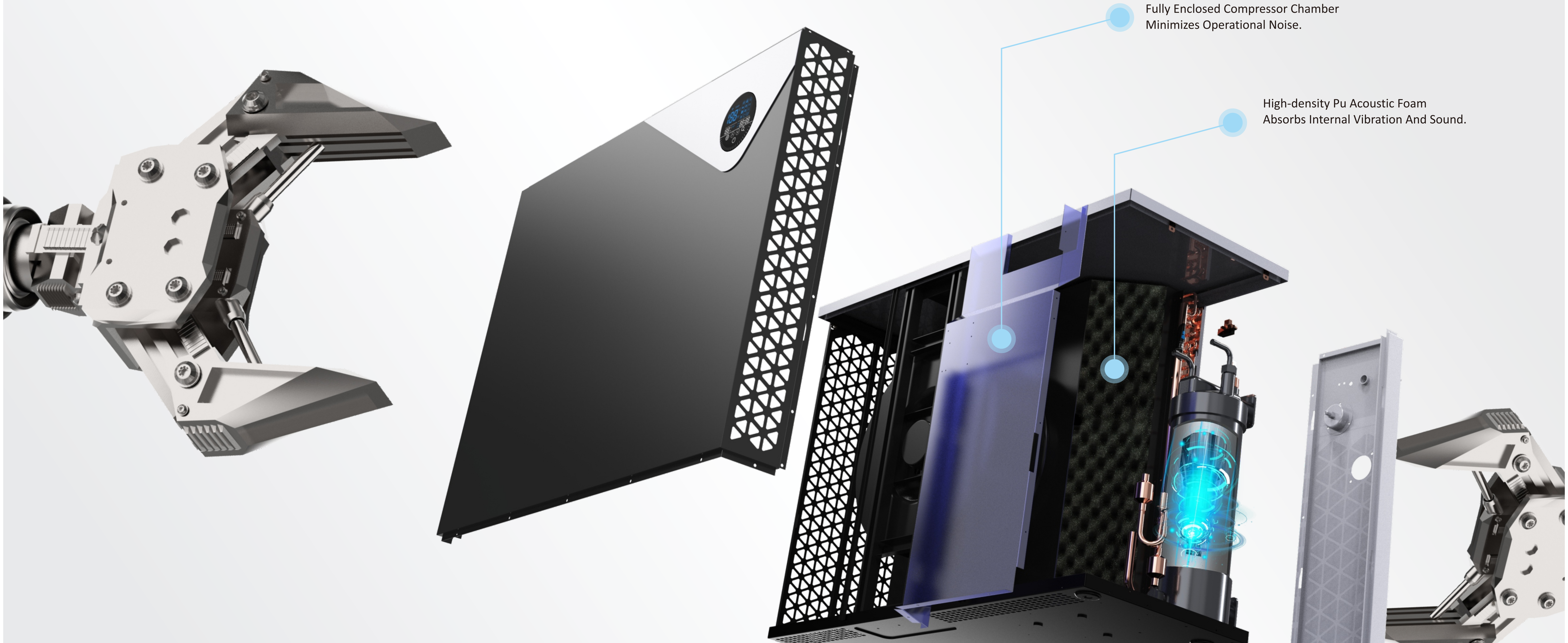
Advanced anti-frost system

Equipped with PID intelligent defrost system, suspended evaporator and 2-meter bottom heating belt.
No ice formation, no performance loss.

40dB
POWER WORLD
at 1m
COP 20

Silent & Smart Control

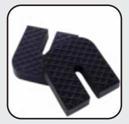
Whisper-Quiet Engineering for Peace of Mind
Enjoy ultra-quiet comfort without compromising performance



Fully Enclosed Compressor Chamber
Minimizes Operational Noise.

High-density Pu Acoustic Foam
Absorbs Internal Vibration And Sound.

Aerodynamic Centrifugal Fan
(shunwei Blades) Ensures Smooth, Quiet Airflow.



Vibration-dampened Base
Pads Reduce Low-frequency Noise Transmission.

R32 SERIES

ULTRA

DC Inverter

Wi-Fi
POWER WORLD
POWER WORLD

R32 DC Inverter Ultra Series

Achieving the perfect balance of energy efficiency and powerful performance, specially designed for residential and commercial swimming pools of 25m³~120m³.

Features

- Enhanced dual-side air inlet design for increased air volume and superior heat exchange efficiency.
- Top air outlet design acheive excellent heat dissipation effect for optimal performance
- Advanced Full DC inverter and noise reduction technologies for ultra energy saving and quiet operation

16.2
COP
WIFI
POWER WORLD

-15°C ~43°C
Wide working range

NEW
New appearance
WIFI
POWER WORLD

Smart Mode

Powerful Mode

Silent Mode

R32 Refrigerant | Heating& Cooling | **75%** Max energy saving | Intelligent Defrost | Screwless design | LCD touch panel | Easy installation

R32 DC Inverter Ultra Series

Model	PW030-DKZXYC-D	PW040-DKZXYC-D	PW050-DKZXYC-D	PW060-DKZXYC-D
Advised pool volume (m3) ①	25~50	30~60	40~75	50~90
Operating air temperature (°C)	-15~43°C			
Performance Condition: Air 27°C, Water 26°C, Humidity 80%				
Heating capacity (kW)	14.0~3.20	17.50~3.50	21.5~5.00	24.50~5.50
Heating capacity (Btu)	47600~10880	59500~11900	73100~17000	83300~18700
Consumed power (kW)	1.94~0.20	2.50~0.22	3.10~0.31	3.65~0.34
COP	7.2~16.0	7.0~15.9	6.9~16.1	6.7~16.2
COP at 50% capacity	12	12	12	12
Performance Condition: Air 15°C, Water 26°C, Humidity 70%				
Heating capacity (kW)	10.51~2.48	13.0~2.57	16.25~3.60	19.10~4.2
Heating capacity (Btu)	35734~8432	44200~8738	55250~12240	64940~14280
Consumed power (kW)	1.91~0.31	2.40~0.32	3.05~0.45	3.54~0.53
COP	5.5~8.0	5.4~8.0	5.3~8.0	5.4~7.9
COP at 50% capacity	7	7	7	7
Performance Condition: Air 35°C, Water 28°C, Humidity 80%				
Cooling capacity (kW)	9.2	11.5	13.8	15.7
Sound pressure at 1m dB(A)	40~49	40~50	42~51	43~52
Sound pressure of 50% capacity at 1m dB(A)	44	45	45	46
Sound pressure at 10m dB(A)	18.5~27	22.0~27.5	22.5~29.5	23~30
Heat exchanger	Spiral titanium tube in PVC shell			
Casing	Metal Casing			
Refrigerant	R32			
Power supply	220-240V/1 Ph			
Water connection (mm)	Φ50			
Rated input current at air 15℃ (A)	8.4~1.4	10.5~1.4	13.3~2.0	15.5~2.3
Advised water flux (m^3/h)	4~6	6~8	7~9	8~10
Water pressure drop (max) KPa	4	5	7	10
Net weight / Gross weight (kg)	80/95	100/115	150/170	160/180
Product size (mm)	719X708X768		767X824X867	
Operating water temperature(°C) Heating	9~40°C			
Operating water temperature(°C) Cooling	9~35°C			

① The advised pool volumes are valid under ideal conditions: Air 27℃, Water 26℃, Humidity 80%, Pool covered with an isothermal cover.

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.

R32 DC Inverter Ultra Series

Model	PW070-DKZXYC-D	PW070-DKZXYC-D	PW080-DKZXYC-D	PW100-DKZXYC-D
Advised pool volume (m3) ①	60~100	60~100	70~120	80~150
Operating air temperature (°C)	-15~43°C			
Performance Condition: Air 27°C, Water 26°C, Humidity 80%				
Heating capacity (kW)	28.50~7.00	28.50~7.00	32.50~7.5	43.5~16.5
Heating capacity (Btu)	96900~23800	96900~23800	110500~25500	148400~56300
Consumed power (kW)	4.20~0.44	4.20~0.44	5.00~0.48	7.25~1.22
COP	6.8~15.9	6.8~15.9	6.5~15.6	6.0~13.5
COP at 50% capacity	12	12	11.5	11.5
Performance Condition: Air 15°C, Water 26°C, Humidity 70%				
Heating capacity (kW)	22.5~5.0	22.5~5.0	25.5~5.5	32.5~12.5
Heating capacity (Btu)	76500~17000	76500~17000	87720~18700	110900~42650
Consumed power (kW)	4.17~0.62	4.17~0.62	4.90~0.69	6.84~1.47
COP	5.4~8.1	5.4~8.1	5.2~8.0	4.75~8.5
COP at 50% capacity	7	7	6.8	6.6
Performance Condition: Air 35°C, Water 28°C, Humidity 80%				
Cooling capacity (kW)	18.4	18.4	20.7	25
Sound pressure at 1m dB(A)	43~53	43~53	43~54	48~60
Sound pressure of 50% capacity at 1m dB(A)	46.5	46.5	47	54
Sound pressure at 10m dB(A)	23.5~31	23.5~31	24~32	30~38
Heat exchanger	Spiral titanium tube in PVC shell			
Casing	Metal Casing			
Refrigerant	R32			
Power supply	220-240V/1 Ph	380-400V/3 Ph		
Water connection (mm)	Φ50			
Rated input current at air 15℃ (A)	18.3~2.7	6.4~1.0	7.5~1.1	12.2~2.63
Advised water flux (m^3/h)	9~11	9~11	10~12	16~19
Water pressure drop (max) KPa	13	13	15	30
Net weight / Gross weight (kg)	220/245	220/245	230/255	195/225
Product size (mm)	916X904X922			1010X1010X1135
Operating water temperature(°C) Heating	9~40°C			
Operating water temperature(°C) Cooling	9~35°C			

① The advised pool volumes are valid under ideal conditions: Air 27℃, Water 26℃, Humidity 80%, Pool covered with an isothermal cover.

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.

R410A SERIES COMMERCIAL

- ✓ -7℃-43℃ Ambient Temp
- ✓ 26KW-145KW Models
- ✓ 40m³-500m³ Pools size

R410A Commercial Series

Ideal sustainable pool heating & cooling solutions for 40~500m³ commercial pools in hotels, competitions, schools, sports centers, gyms, etc.

Features

Electronic Expansion Valves (Sanhua EEV)

Adopt PID closed-loop automatic control technology

High-Efficiency Condensor

Spiral titanium tube in PVC

Heat exchanger

Hydrophilic coated aluminum foul inner corrugated finned heat exchanger

High-Performance Fan Motor

High airflow, low noise, minimal vibration, excellent anti-aging properties.

Separate Isolated Electrical Compartment

Effectively prevents internal corrosion and extends the service life of your heat pump.

Multiple Noise Reduction Design

Noise optimized via absorption, insulation, & buffering; 56 dB(A) at 1m.

R410A Refrigerant	Heating& Cooling	75% Max energy saving	Intelligent Defrost	Easy installation	Ambient Temp -7°C ~43°C

Intelligent Digital Controller

Humanized UI design with blue LED backlight for simpler, clearer controller operation.

Multi-Point Precise Control

Equipped with multiple strategically placed sensors, our unit ensures accurate, pinpoint control during the defrost process, optimizing performance and efficiency.

Comprehensive Intelligent Protection

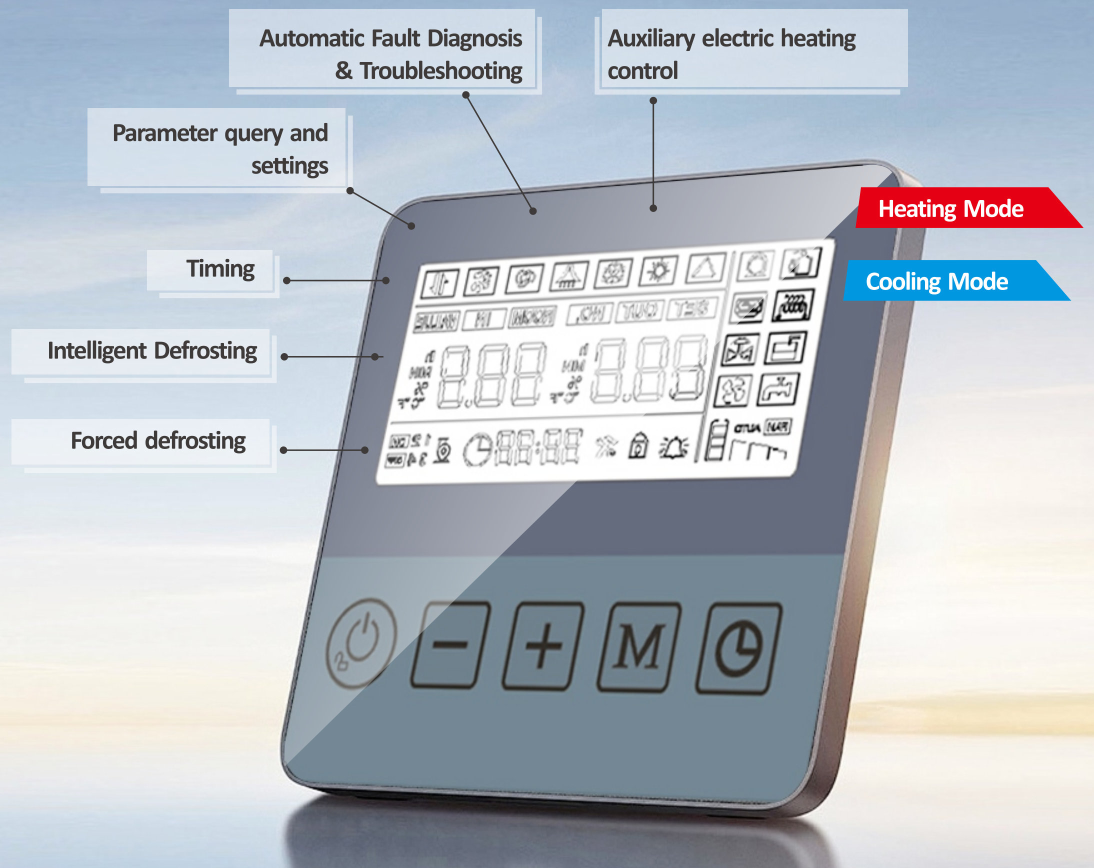
Antifreeze, water flow, exhaust, water inlet, power outage, overheating, current, voltage, overload, locked rotor, power off memory and other intelligent protections ensure all-around security for your system.

5-Minute Quick Intelligent Defrost

Four-way valve intelligent reversing defrost. With multi-point precise control, frost can be effectively eliminated in as little as 5 minutes.

PID Closed-Loop Automatic Control Technology

Employing the advanced PID closed-loop control mechanism, our system ensures precise, self-regulating performance.


Automatic Fault Diagnosis & Troubleshooting
Auxiliary electric heating control
Parameter query and settings
Heating Mode
Cooling Mode
Timing
Intelligent Defrosting
Forced defrosting
M

R410A Commercial Series

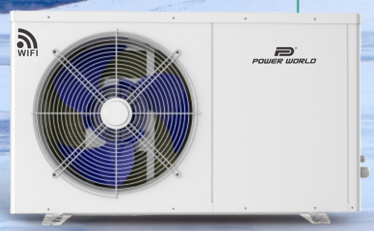
Model	PW050-KFXYC	PW100-KFXYC	PW150-KFXYC	PW200-KFXYC	PW250-KFXYC	PW300-KFXYC
Advised pool volume (m3) ①	40~85	80~170	120~250	150~300	210~400	260~500
Operating air temperature (°C)	-7~43°C					
Performance Condition: Air 27°C, Water 26°C, Humidity 80%						
Heating capacity (kW)	26	51.5	75	100	121	145
Heating capacity (Btu)	88400	175100	255000	340000	411400	493000
Consumed power (kW)	4.2	8.4	12.1	16.8	20.2	23.8
COP	6.2	6.1	6.2	6	6	6.1
Performance Condition: Air 15°C, Water 26°C, Humidity 70%						
Heating capacity (kW)	18.3	39.8	53.5	77.5	90.3	105.8
Heating capacity (Btu)	62220	135320	181900	263500	307020	359720
Consumed power (kW)	3.9	8.4	11.3	16.7	19.2	22.8
COP	4.7	4.7	4.7	4.6	4.7	4.6
Performance Condition: Air 35°C, Water 28°C, Humidity 80%						
Cooling capacity (kW)	15.3	31.0	43.0	62.5	73.0	85.5
Sound pressure at 1m dB(A)	56	58	60	62	64	66
Sound pressure at 10m dB(A)	44	46	48	50	52	54
Heat exchanger	Spiral titanium tube in PVC shell					
Casing	Metal Casing					
Refrigerant	R410A					
Power supply	380V~400V/3PH/50Hz					
Water connection (mm)	G1-1/2" (PVC female thread)	G2" (PVC female thread)	G2" (PVC female thread)	DN90 (PVC flange)	DN90 (PVC flange)	DN90 (PVC flange)
Rated input current at air 15°C (A)	6.05	13.02	17.52	25.89	29.77	35.35
Advised water flux (m^3/h)	11.2	22.1	32.3	43.0	52.0	62.4
Water pressure drop (max) KPa	50	50	50	45	45	50
Net weight / Gross weight (kg)	135/145	200/220	248/268	352/372	450/480	465/500
Product size (mm)	750X805X1165	1500X750X1075	1530X790X1100	1705X1065X1200	2005X1065X1400	
Loading quantity (20GP/40GP/40HQ)	14/28/56	6/14/28	6/14/28	6/12/12	5/10/10	
Operating water temperature(°C) Heating	9~40°C					
Operating water temperature(°C) Cooling	9~35°C					

① The advised pool volumes are valid under ideal conditions: Air 27°C, Water 26°C, Humidity 80%, Pool covered with an isothermal cover.

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.

High-Ambient Water Chiller Solutions

R290 COOLMINI SERIES CHILLER



R410A TORRIDCOOL SERIES CHILLER

R410A AIR-COOLED MODULAR CHILLER

R290 CoolMini CHILLER

Ultimate Cold, Ultimate Convenience.

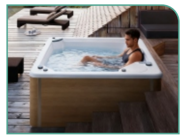
R290 CoolMini Series DC Inverter Chiller

The R290 Mini Inverter Chiller is specifically designed to meet the demanding needs of cold water baths, offering efficient, reliable,and eco-friendly cooling performance. It is an ideal solution for maintaining the perfect cold water temperature.

Features

- R290 refrigerant, low GWP (GWP=3)
- Plug-and-play, portable design for easy installation
- Built-in R290 Refrigerant Leak Detection
- PID Closed-loop Temp Control: ±0.1℃ temperature precision
- Built-in 5G WiFi Module
- DC Inverter Technology
- Dual Functionality: Cooling & Heating
- Ultra-Low Noise 46dB(A) Operation
- Operating Temperature Range:-7℃ to 43℃
- Adjustable water outlet temperature: 3℃ to 43℃

SAVE 20%-50% ENERGY COST
POWER WORLD



Home and Healthy Living

Sports Rehabilitation and Training Recovery

Medical and Physical Therapy

R290 zero carbon

3℃ Cools water down to 3℃

Plug & Play Type

WIFI Control

Intelligent Touchscreen Controller

The intuitive touchscreen interface puts every function right where you expect it. Easy operation at your fingertips.

Current setting water temp

Set target temperature

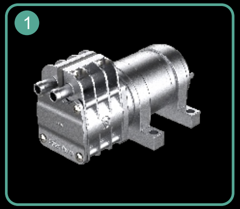
Current working mode

14:20
28.5
SETTING
ON/OFF
MODE
35.0
SET
TIMER

The 4-Step Cycle: From Stability to Safety

Our integrated sanitation system works continuously to ensure pristine water quality and protect your equipment.

1

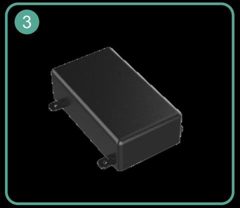


VACUUM PUMP
Secures stable water flow and enhances sterilization.

2

WATER FILTER
Removes physical impurities and odors.

3



OZONE GENERATOR
Eliminates pathogens; breaks down residual ozone safely.

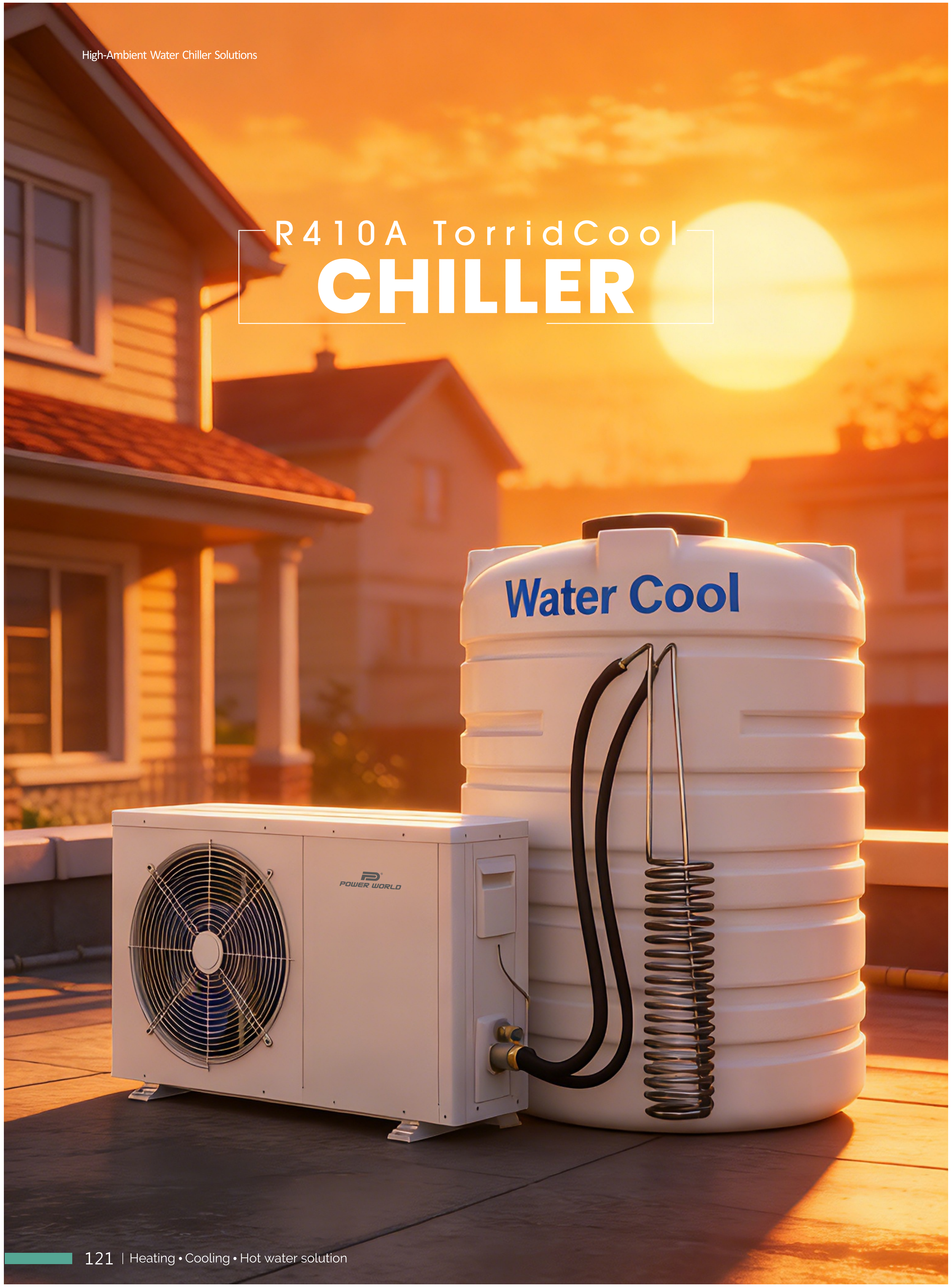
4

ALUMINUM MICRO-CHANNEL HEAT EXCHANGER
Corrosion-resistant, 30% higher efficiency than traditional exchangers.

R410A Commercial Series

Model	PWWC-029H1
Performance Condition: Air 27°C, Water 27°C, Humidity 80%	
Heating capacity (W)	1620~5400
Heating capacity(Btu)	5527~18424
Consumed power (W)	180~1120
COP	4.82~9.0
Performance Condition: Air 15°C, Water 26°C, Humidity 70%	
Cooling capacity (W)	1080~3600
Cooling capacity(Btu)	3685~12283
Consumed power (W)	216~1286
EER	2.8~5.0
Sound pressure at 1m dB(A)	46
Sound pressure at 10m dB(A)	31
Power supply	220 ~240V/1 Ph/50Hz/60Hz
Max. power input(W)	2093
Rated current(A)	0.98~5.84
Minimum fuse current (A)	9.44
Wire diameter(mm²)	1.5
Water side heat exchanger	Plate heat exchanger
Air side heat exchanger	Microchannel heat exchanger
Casing	Metal Casing
Advised water flux (m³/h)	0.5~1.5
Water Pressure Drop (max) kPa	35
Water Connection (mm)	DN15
Circulation water pump	Built in
Ozone	Built in ozone generator
Vacuum pump	Yes
Filter	Yes
Moving wheels	Yes
Carry handle	Yes
Quick connector	Yes
Refrigerant leakage sensor	Yes
Remote control	IOS & Android WiFi App
Refrigerant	R290/300g
Net weight/Gross weight(kg)	48/55
Body size(mm)	537×450×541
Water volume & Cooling time(35°C to 5°C)	1000L, ≤12.7H
Operating air temperature (°C)	-7~43
Adjustable water outlet temperature (°C)	3~43

Note: The parameters of some products are changed in the process of continuous optimization. Please refer to the actual products in the future.



R410A TorridCool CHILLER

R410A TorridCool Series Chiller

Designed for tropical regions, combining high-ambient resilience with smart controls for dependable comfort.

Features

- Built for High-Temperature Tropics：-7°C to 52°C ambient
- Two evaporator types: copper (good water) / titanium (saline, corrosive water)
- Auto safety shutdown at 55°C ambient
- Dual cooling & heating functions
- Long controller cable & Wi-Fi app control in local language

Water Cool
WIFI
POWER WORLD

R410A Refrigerant

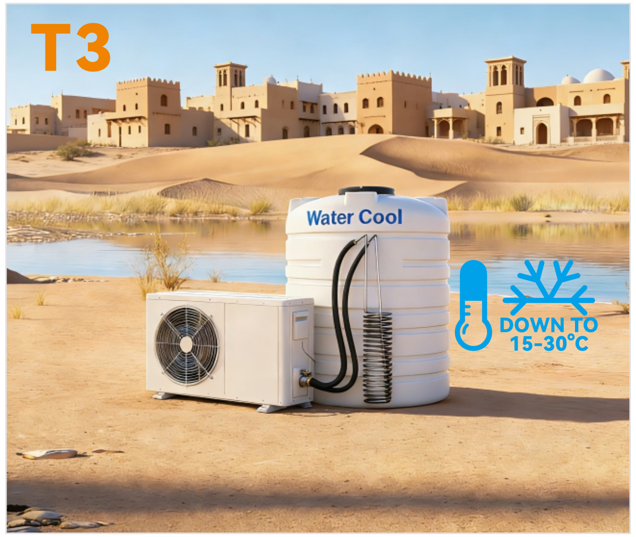
-7°C to 52°C Operation

55ºC Self Protection

WIFI Control

Engineered to Thrive in Extreme Heat

Features a dedicated T3 compressor and intelligent control, delivering stable cooling from 50℃+ source water down to 15-30℃, even in ambient temperatures up to 52℃.



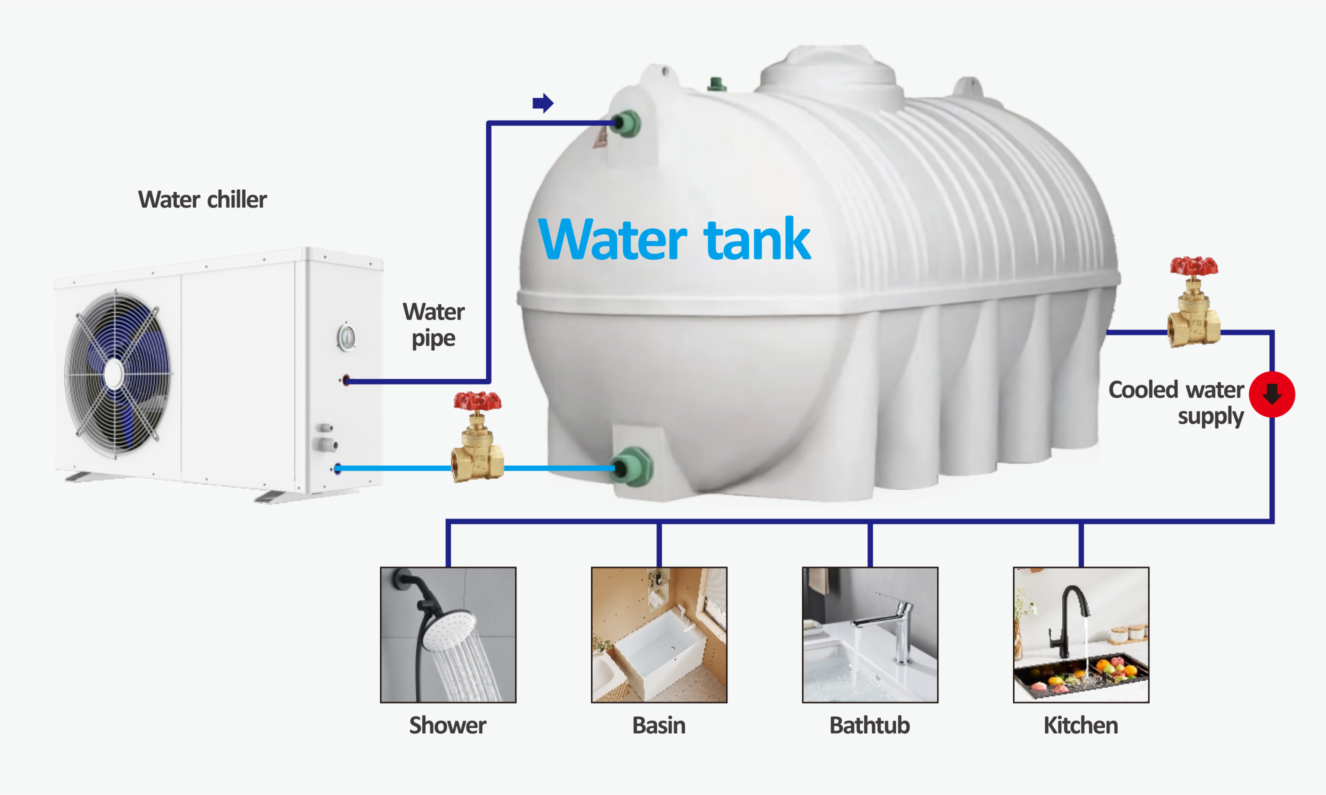
Built with Full-System Corrosion Defense

Equipped with stainless steel pump, graphene-coated fins, titanium-PP heat exchanger, and protected panels to ensure durability in high-salinity, sandy, and humid coastal climates.

INSTALLATION DIAGRAM

For house fresh water

Evaporator and water pump inside machine



R410A TorridCool Series Chiller

Model		PW20K-DKFLRS	PW25K-DKFLRS	PW30K-DKFLRS
operating air temperature	℃	(-7~52)		
operating water temperature	℃	Cooling 10-50/heating25-55		
Power Supply	V/PH/Hz	220/1/50		
Performance condition	AirDB35°C / WB24°C/ Water(in/out)35/30°C			
Cooling Capacity	KW	5.9	7.35	8.8
	Btu/H	20131	25078	30026
Power Input	KW	1.57	1.95	2.33
Current	A	7.1	8.9	10.6
EER	W/W	3.75	3.76	3.78
Performance condition	AirDB46°C / WB24°C/ Water(in/out)35/30°C			
Cooling Capacity	KW	5.43	6.76	8.10
	Btu/H	18527	23065	27637
Power Input	KW	1.59	1.98	2.35
Current	A	7.2	9. 0	10.7
EER	W/W	3.41	3.42	3.44
Performance condition	AirDB20°C / WB15°C/ Water(in/out)15/55°C			
Heating Capacity	KW	5.1	6.69	7.31
	Btu/H	17401	22826	24942
Power Input	KW	1.38	1.82	1.97
Current	A	6.27	8.27	8.95
COP	W/W	3.7	3.68	3.71
MAX.POWER INPUT	KW	2.07	2.57	3.06
MAX.CURRENT	A	9.4	11.7	13.9
Noise	dB(A)	53	54	56
Compressor Type	Rotary			
type	Titanium			
Standard water flow	m³/h	1. 0	1.26	1.51
Water pressure drop (max)	kpa	15	16	18
Water connection	mm	DN20	DN25	DN25
Net(W/D/H)	mm	1006×380×600	1100×420×650	1100×420×650
Weight	kg	62	78	80

Note:

the parameters of some products are changed in the process of continuous optimization. Please refer to the actual products.

R410A Chiller
AIR-COOLED
Modular

R410A Air-Cooled Modular Chiller

It combines energy-saving performance with flexible modular design, ensuring reliable operation across diverse environmental conditions.

Features

- Heating and cooling dual functionality
- Operates efficiently from -15°C to 48°C
- Cascading up to 16 Units
- Smart Control & BMS Integration
- Intelligent Defrosting System
- Compact and Space-Saving V-shaped & U-shaped condenser design
- Redundant Module Design
- Integrates 10 intelligent protection mechanisms

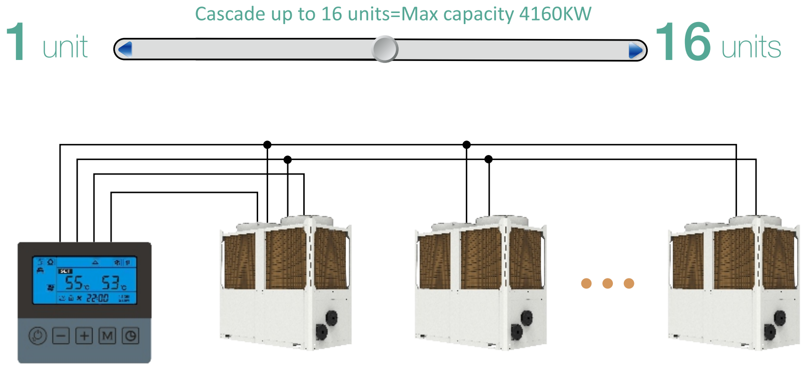
High Cooling Capacities from 65 kW to 202 kW

High Heating Capacities from 75 kW to 202 kW

R410A Refrigerant | Easy installation | Energy-Saving | Cascade Up to 16 Units

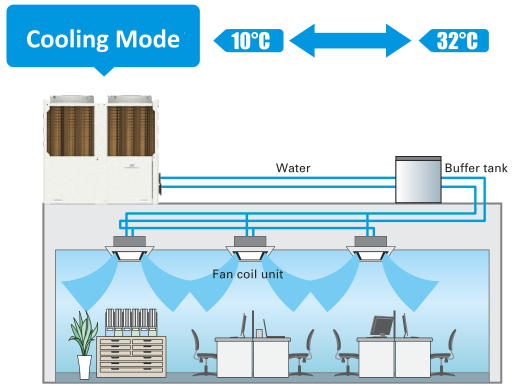
Cascading Function & Flexible Module Design

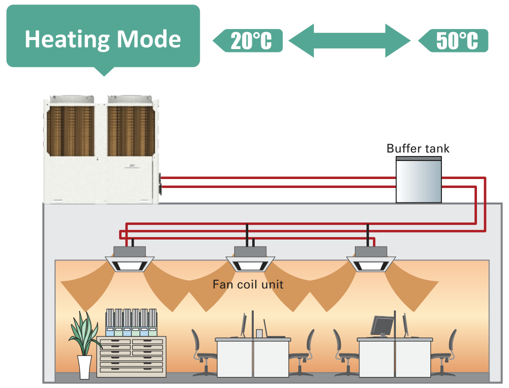
Supports cascading up to 16 units, each independently controlled, offering unmatched flexibility in installation and scalability.



Wide Outlet Water Temperature Range

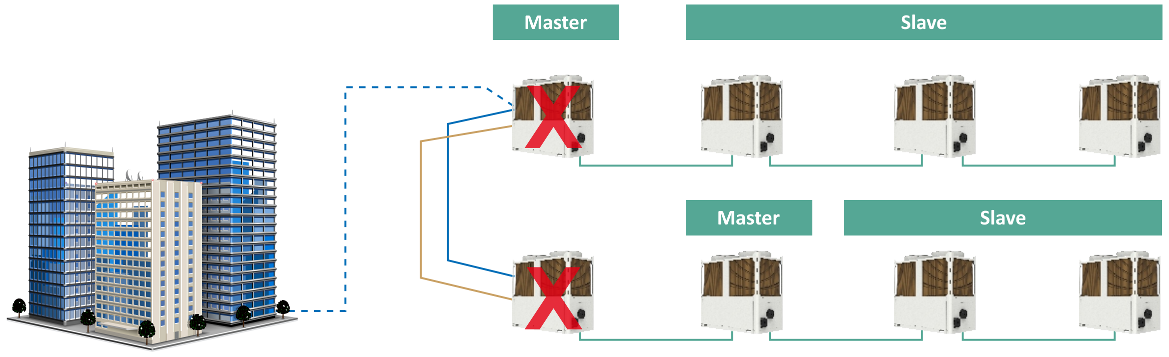
Power World Air-Cooled Modular Chiller offers an exceptionally wide range for both cooling and heating, allowing owners to customize temperatures according to their specific needs.





Back-up Functions

In a combination system, if one module failed, other modules can be back-up instead of the failed one for continuing operation.



R410A Commercial Series

Model		Unit	PW250-KFLRS	PW500-KFLRS	PW1000-KFLRS
COOLING @Air 35/Water 7°C	Rated cooling capacity	kW	66	132	260
	Input Power	kW	20	40	80
	COP	W/W	3.30	3.30	3.25
HEATING @Air 7/W45°C	Rated cooling capacity	kW	73	146	292
	Input Power	kW	22	44	88
	COP	W/W	3.32	3.32	3.32
Energy Regulation		%	0/50/100	0/50/100	0/25/50/75/100
Rated		A	40	80	160
Max Current		A	50	100	200
Power Supply			380V 3N～/50Hz		
Anti-electric shock rate			I		
IP grade(leavel of protection)			IPX4		
Refrigerant			R410A		
Climate type		℃	-15-48		
Diameter of connection pipe			DN65(flange)	DN65(flange)	DN100(flange)
Water circulation		m3/h	11.4	22.7	44.7
Water pressure drop		kPa	45		
Type of compressor			Hermetic Scroll Compressor		
Qty of Compressor			2	2	4
air outlet direction			Top Discharge		
Type of Fan			Low noise axial fans		
Air volume		m3/h	13000x2	24000x2	24000x4
Noise		dB(A)	≦62	≦68	≦72
Net Weight		kg	546	850	1780
Dimension	L	mm	U-Shape 2000	V-Shape 2200	W-Shape 2400
	W	mm	1055	1100	2200
	H	mm	1900	2200	2330

Rated cooling condition: DB 35℃/WB 24℃, Inlet Water 12℃, Outlet Water 7℃

Rated Heating condition: DB 7℃/WB 6℃, Inlet Water 40℃, Outlet Water 45℃

Note:

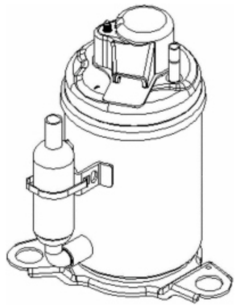
the parameters of some products are changed in the process of continuous optimization. Please refer to the actual products.

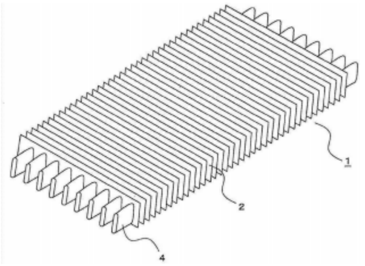
80°C HIGH-TEMPERATURE

Under the Power World's high-temperature technology and EVI technology, this series of hot water heat pumps can run stably at an ambient temperature of -5°C~43°C, the outlet water temps up to 80°C, and the operating cost is low, which can meet the high-temperature water needs of slaughterhouses, electroplating plants, printing and dyeing plants, chemical, pharmaceutical, and aquaculture industries.

Scroll compressor, EVI technology

Scroll compressor, with EVI technology,supplement more capacity through economizer for high temperature hot water outlet.



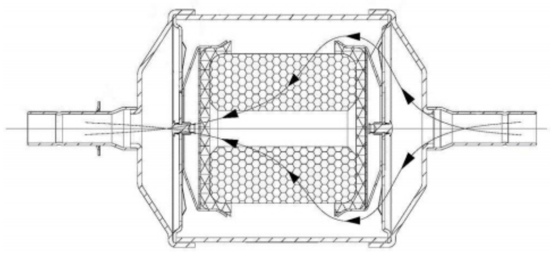


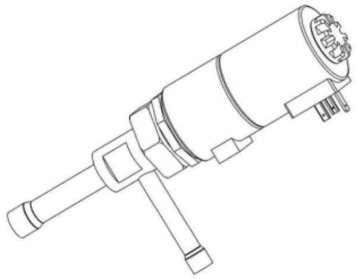
High efficient tube in tube/ shell and tube heat exchanger

Option for tube in tube and shell & tube heat exchanger, high heat transfer efficiency and easy maintenance for scales problem.

Drier-filter for more reliable system.

Drier-filter remove possible dust and moisture in refrigerant circuit, it ensures more reliable and stable system.





Electronic expansion valve

With accurate control of refrigerant flow automatically, excellent efficiency at different ambient temperature.

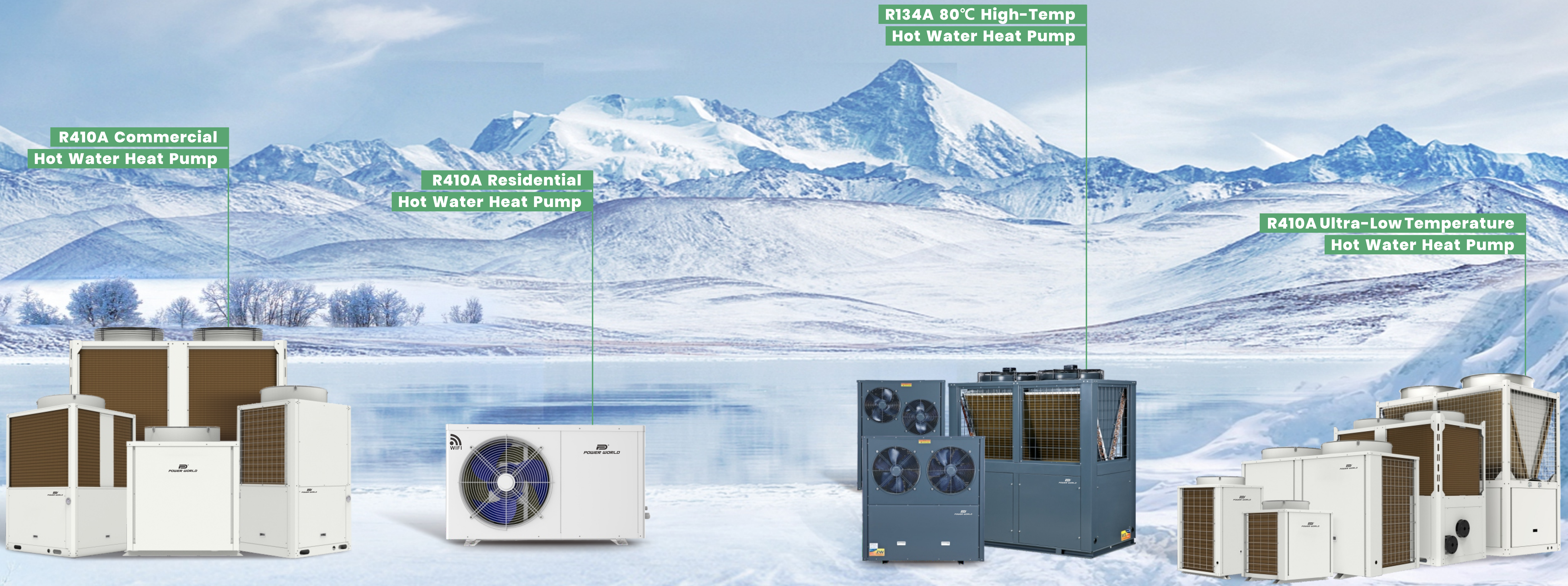
R134A 80°C High-Temp Hot Water Heat Pump

Model	PF100-KFGRS	PF150-KFGRS	PF200-KFGRS	PF250-KFGRS	PF300-KFGRS
Four-way valve Brand	Sanhua				
Expansion valve Brand	Sanhua				
Heating capacity (kW)	27.6	41.1	55.1	65.3	82.6
Input power (kW)	10.8	16	21.5	25.4	32.3
COP	2.56	2.57	2.56	2.57	2.56
Rated current (A)	21.6	32.2	43	51	64.6
Max input power (kW)	14.6	21.6	29.0	34.3	43.6
Max current (A)	29.2	43.5	58.1	69.0	87.2
Rated outlet water temperature(°C)	75	75	75	75	75
Highest outlet water temperature(°C)	80	80	80	80	80
Power supply	380V/50Hz				
Anti-electric shock Rate	I	I	I	I	I
IP Grade (Level of protection)	IPX4	IPX4	IPX4	IPX4	IPX4
Refrigerant	R134A				
Operation Ambient Temp(°C)	-5~43°C				
Production capacity (L/H)	396	589	790	987	1184
Diameter of pipe (mm)	DN40	DN40	DN50	DN50	DN65
water circulation (m³/H)	6	8.8	11.8	14	30
Water pressure drop (kPa)	35	38	46	48	52
Noise (dB(A))	≤66	≤68	≤68	≤70	≤75
Net weight/Gross weight(kg)	310/330	372/412	482/532	582/642	612/675
Body size(W*D*H)	1580×800×1600	1580×800×1600	1850×1000×1950	2000×1100×2080	2300×1100×2300
Loading quantity (20GP/40GP/40HQ)	6/12/12	6/12/12	6/12/12	4/10/10	0/0/5
Condenser type	High efficiency tank heat exchanger		Casing heat exchanger		
Operating water temperature(°C)	20～80°C				
Test condition: Inlet water temperature 15°C, Outlet water temperature 75°C, Dry bulb temperature 20°C, Wet bulb temperature15°C.					

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.

Hot Water Heat Pump Solutions

Unleash the power of air and provide a steady stream of hot water with an air-to-water heat pump!


R410A Commercial
Hot Water Heat Pump
R410A Residential
Hot Water Heat Pump
R134A 80℃ High-Temp
Hot Water Heat Pump
R410A Ultra-Low Temperature
Hot Water Heat Pump
WIFI
POWER WORLD

Wi-Fi
POWER WORLD
Heating
Cooling

R410A

RESIDENTIAL

Hot Water Heat Pump

R410A Residential Hot Water Heat Pump

R-410A

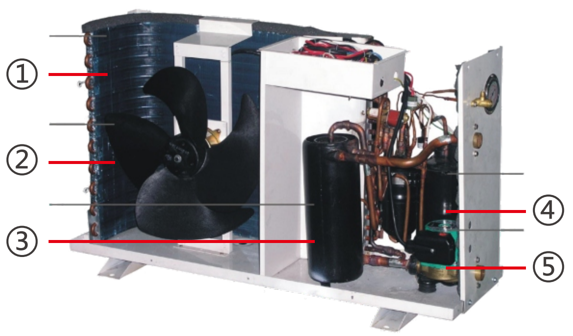
35°C/55°C

A+++

220V/1ph/60Hz

Features

- Support heating and cooling functions
- Easy and clear LCD control panel
- Four-way valve for automatic defrosting
- High-efficient tube in shell heat exchanger
- Rotary compressor guarantees unit running stably
- Built-in water pump, directly connected to the water tank, easy to install



INSIDE APPEARANCE

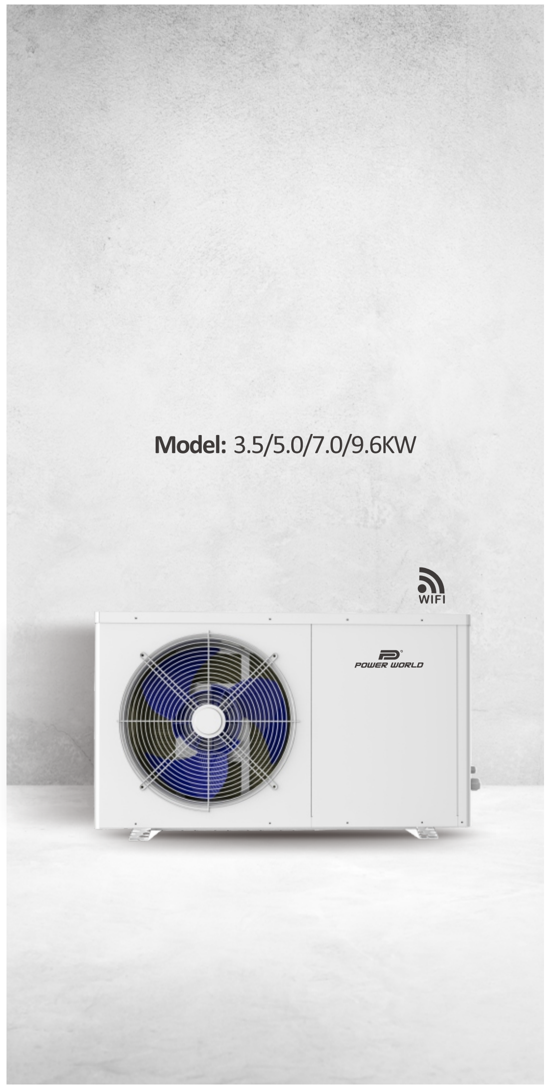
① evaporator

② fan blade

③ water-refrigerant heat exchanger

④ Rotary compressor

⑤ circulation pump



Model: 3.5/5.0/7.0/9.6KW

R410A Refrigerant

Heating

Cooling

60℃ Max outlet water

Ambient Temp -7°C ~43°C

Product Advantages

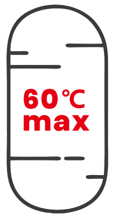
Residential Hot Water Heat Pump

More energy-efficient hot water heating and cooling systems for homes and apartments

Excellent Reliability
High Efficiency And Energy-saving

Built-in Wilo water pump

Simplified Installation:
The integrated design of the water pump and heat pump system simplifies the installation and maintenance process, effectively reducing the construction difficulty for installers and user costs.



Hot water outlet upto 60℃

without auxiliary electric heater

Enhanced Efficiency: The perfect compatibility between Wilo water pumps and heat pump systems optimizes the system's water circulation, improving the overall efficiency of the system.

High-Efficiency Stable Operation: Wilo water pumps, an internationally renowned brand, ensure greater stability and reliability. With energy-saving design, they effectively reduce the system's energy consumption.

01

High precision electronic expansion valve (EEV)

02

High efficiency tube in shell heat exchanger

03

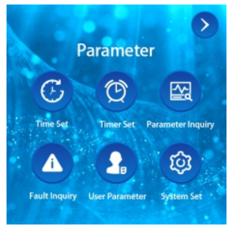
Rotary compressor

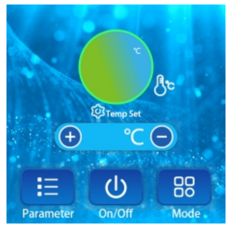
04

Sanhua Four-way Valve

4 Inches Colourful touch display

High-definition display, responsive touch functionality, user-friendly interface, and large, clear lettering make for simpler operation.





- ✓ Heating/Cooling Mode selection
- ✓ Target hot water temp setting
- ✓ Time/Timing setting
- ✓ E-Heater control
- ✓ Intelligent defrost setting
- ✓ Parameter query checking
- ✓ Malfunction warning
- ✓ Troubleshooting checking

R410A Residential Hot Water Heat Pump

Model	PW010-KFXRS/IMT	PW015-KFXRS/IMT	PW020-KFXRS/IMT	PW030-KFXRS/IMT
Heating capacity (kW)	3.5	5.0	7.0	9.6
Input power (kW)	0.96	1.30	1.79	2.42
COP	3.65	3.86	3.92	3.96
Rated current (A)	4.39	5.93	8.17	11.09
Max input power (kW)	1.30	1.75	2.41	3.40
Max current (A)	5.95	8.01	11.03	15.56
Rated outlet water temperature (°C)	55	55	55	55
Highest outlet water temperature(°C)	60	60	60	60
Power supply	220V/1ph/60Hz			
Anti-electric shock rate	I	I	I	I
IP Grade (Level of protection)	IPX4	IPX4	IPX4	IPX4
Refrigerant	R410A			
Operation Ambient temp (°C)	-7~43°C			
Production capacity (L/H)	75	107	150	206
Diameter of pipe (mm)	DN20	DN20	DN20	DN25
water circulation (m³/H)	0.60	0.86	1.20	1.65
Water pressure drop (kPa)	20	25	30	35
Noise (dB(A))	≤50	≤50	≤52	≤54
Net weight/Gross weight(kg)	48/56	52/60	60/70	75/86
Body size(W*D*H)	956×350×550	956×350×550	1006×350×600	1100×420×650
Loading quantity (20GP/40GP/40HQ)	90/192/192	90/192/192	90/192/192	90/192/192
Condenser type	High efficiency tube in shell heat exchanger			
Operating water temperature (°C)	9~60°C			
Four-way valve brand	Sanhua			
Expansion valve brand	Sanhua			
Water pump built in	wilo			
Test condition: Inlet water temperature 15°C, Outlet water temperature 55°C, Dry bulb temperature 20°C, Wet bulb temperature15°C.				

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.

R410A

COMMERCIAL

Hot Water Heat Pump

Save 75% energy
than electric heater
POWER WORLD

R410A Commercial Hot Water Heat Pump

Suitable for large commercial venues with high hot water demands, such as hotels, hospitals, schools, factories, residential complexes, and clubs.

5 Major Advantages

- Efficient heating with 24/7 stable supply
- High energy efficiency ratio, up to 300%~500%
- Low energy consumption for energy-saving operation
- High configuration, high performance, with a lifespan of up to 15 years
- Easy installation and maintenance, saving labor costs

Heating Capacity: 10.3KW~172KW
Water production volume: 221~3698L/h

R410A Refrigerant

Heating

24h Hot Water Service

60℃ Max outlet water

Ambient Temp -7°C ~43°C

R410A Commercial Hot Water Heat Pump

Intelligent Defrost Technology

Unlike traditional defrost modes, our smart defrost system automatically detects defrost conditions and completes the process quickly, reducing energy consumption and maintaining optimal performance. This ensures efficient and stable operation of your heat pump system in all seasons.

Multiple System Protection Functions

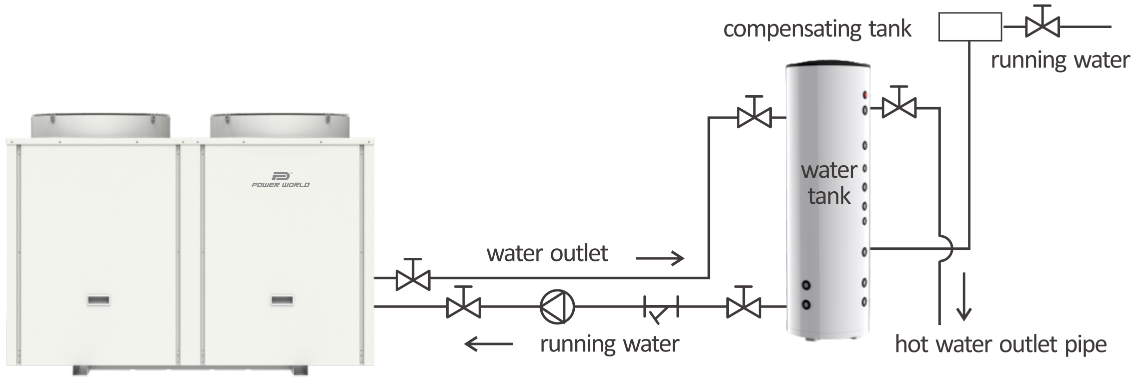
Comprehensive Protection:
Features multiple protection functions including anti-freeze, water flow, exhaust, water inlet, power outage, overheating, current, voltage, overload, locked rotor, and power-off memory.

Safe and Durable:
Ensures long-term stable operation of the system.

Easy to Install

This heat pump system features a compact, space-saving structure, minimizing shipping and on-site installation space limitations while reducing complexity and costs.

* Cycle heating heatpump Installation Diagram



R410A Commercial Hot Water Heat Pump

Model	PW030 -KFXRS	PW050 -KFXRS	PW070 -KFXRS	PW100 -KFXRS	PW150 -KFXRS	PW200 -KFXRS	PW250 -KFXRS	PW300 -KFXRS	PW400 -KFXRS	PW500 -KFXRS
Four-way valve brand	Sanhua									
Expansion valve brand	Sanhua									
Heating capacity (kW)	10.3	18	23.3	37	47	77.8	88	102	165	172
Input power (kW)	2.7	4.5	5.5	8.9	11	20.3	20.9	23.4	35.5	40.5
COP	3.81	4.0	4.24	4.16	4.27	3.83	4.21	4.36	4.65	4.24
Rated current (A)	12.7	8.0	9.8	15.9	22.6	35.5	37.4	41.4	67	72.4
Max input power (kW)	4.2	6.8	8.5	14	18.3	28	33.5	36.5	55	59
Max current (A)	19	12.3	15.2	25	32.7	50	60	65.2	98.3	105.5
Rated outlet water temperature (°C)	55	55	55	55	55	55	55	55	55	55
Highest outlet water temperature (°C)	60	60	60	60	60	60	60	60	60	60
Power supply	220V/50Hz	380V/3N~/50Hz								
Anti-electric shock rate	I	I	I	I	I	I	I	I	I	I
IP Grade (Level of protection)	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4
Refrigerant	R410A									
Operation Ambient temp (°C)	-7~43°C									
Production capacity (L/H)	221	387	501	795	1010	1673	1892	2193	3547	3698
Diameter of pipe (mm)	DN20	DN25	DN25	DN40	DN40	DN50	DN65	DN65	DN65	DN65
water circulation (m^3/H)	1.8	3.1	4.0	6.4	8.1	13.4	15.1	17.5	28.4	29.6
Water pressure drop (kPa)	55	70	70	75	90	80	80	70	70	70
Noise (dB(A))	55	58	59	62	63	67	72	73	78	78
Net weight(kg)	91	122	133	195	256	385	470	485	1300	1300
Body size(W*D*H)	810×695×865	750×805×1165		1500×750×1165	1530×790×1100	1705×1005×1200	2005×1050×1400		2400×1300×2350	
Loading quantity (20GP/40GP/40HQ)	18/78/78	14/28/56	6/14/28	6/14/28	6/14/28	6/12/12	5/10/10		/	/
Condenser type	High efficiency tank heat exchanger					Casing heat exchanger				
Operating water temperature (°C)	9~60°C									
Test condition: Inlet water temperature 15°C, Outlet water temperature 55°C, Dry bulb temperature 20°C, Wet bulb temperature15°C.										

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.

R410A SERIES
COMMERCIAL

Ultra-Low Temperature

Operates down to -30°C
Reliable heating even in extreme cold climates

High Cop up to 4.52
Exceptional energy efficiency at low ambient temperatures

Stable Hot Water Output
Consistent performance from 7°C to 55°Cwater temperature

Wide Application
Ideal for commercial and industrial use in cold regions.

-30℃
Low Ambient Operation
POWER WORLD

Ultra-Low Temperature Commercial Series

Ultra-Low Temperature Commercial Series Heat Pump delivers consistent hot water even at -30°C,ensuring performance when you need it most.

Model	PW030-DKFXRS	PW050-DKFXRS	PW100-DKFXRS	PW150-DKFXRS	PW250-DKFXRS	PW300-DKFXRS	PW600-DKFXRS
Heating Capacity (20°C)(kW)	10.2	17.8	35.5	52.5	86	108	172
Input power (20°C)(kW)	2.7	4.6	8.5	11.8	19.2	23. 9	38. 6
COP (Coefficient of Performance) (20°C)(W/W)	3. 78	3.87	4. 18	4. 45	4. 48	4. 52	4. 46
Production water capacity (L/H) (20°C)(L/h)	219	383	763	1129	1849	2322	3698
Heating Capacity (7°C)(kW)	8.6	14.2	30	44. 5	72.9	91. 6	145. 9
Input power (7°C)(kW)	2.7	4.5	8.9	12.4	20. 7	25. 7	40. 7
COP (Coefficient of Performance) (W/W)	3. 19	3.16	3. 37	3. 59	3.53	3.57	3.58
Production water capacity (7°C)(L/h)	161	265	561	832	1363	1712	2727
Rated current (A)	12.3	8.1	15.9	22.2	36.9	45.9	72.8
Max input power (kW)	3.9	6.9	13	17. 8	29. 0	36. 1	58.2
Max current (A)	17.7	12.3	23.2	31. 8	51.8	64. 5	104. 1
Rated water temp (°C)	55						
Max water outlet temp (°C)	60						
Power suppy	220V/50Hz	380V 3N~/50Hz					
Anti-electric shock Rate	I						
IP Grade (Level of protection)	IPX4						
Refrigerant	R410A						
Operation Ambient Temp. (°C)	-30~45						
Diameter of pipe (mm)	DN20	DN25	DN40	DN40	DN65	DN65	DN65
Water circulation (m3/h)	1.75	3.06	6.11	9.03	14.79	18.58	29.58
Water pressure drop (kPa)	90	70	75	75	75	70	70
Noise (dB(A))	55	56	60	60	66	68	76
Net weight (kg)	100	132	237	362	560	608	953
Body size (mm)	810X695X865	750X805X1165	1500X750X1075	1500X800X1610	2080X1000X1900	2080X1000X1900	2400X1100X2330
Rated testing condition(7°C): Dry bulb/Wet bulb temperature 7/6°C, the hot water temp in the water tank is heated from 9°C to 55°C.							

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.

R134A COMMERCIAL

Hot Water Heat Pump

80℃ High-Temp

R134A 80℃ High-Temp Hot Water Heat Pump

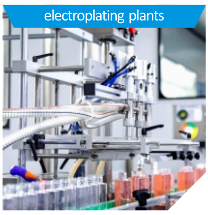
Widely used in slaughterhouses, electroplating plants, printing and dyeing plants, chemical industry, pharmaceuticals, aquaculture and other fields.

Features

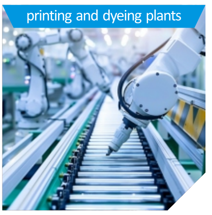
- Maximum hot water outlet temp up to 80°C
- Compressor with EVI technology
- High-efficient tube in tube/ shell and tube heat exchanger
- Drier filter for more reliable system
- Electronic expansion valve with more accurate temperature control

Model: 7.4/8.3/13.8/27.6/41.1/55.1/65.3/82.6KW

slaughterhouses



electroplating plants



printing and dyeing plants

chemical industry

pharmaceuticals

aquaculture

R134A Refrigerant

Heating

24h Hot Water Service

80℃ Max outlet water

Ambient Temp -5°C ~43°C

Hydrobox

Make Your Heat Pump Installation Simpler and More Flexible!

- Easy Installation & Maintenance
- Component Integration Design
- Safe and Durable
- Smart Home Control
- Available for Floor heating, Radiator Fan Coil and Water Heating

POWER WORLD

R290 HYDROBOX SOLUTIONS

230V/1Ph~380V/3Ph

R32 HYDROBOX SOLUTIONS

230V/1Ph~380V/3Ph

POWER WORLD
POWER WORLD

R290/R32
HYDROBOX
POWER WORLD
POWER WORLD

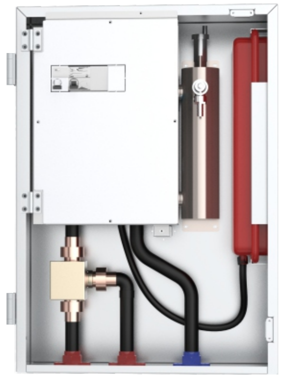
Hydrobox

This product is a system component for controlling the heating circuits and domestic hot water generation in conjunction with a heat pump using a system control.

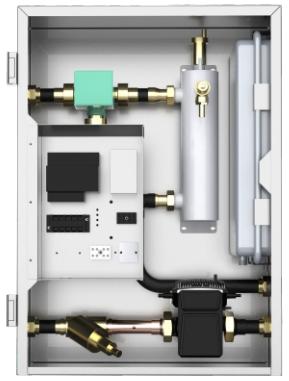
Features

- **Flexibility:** A compact integrated module enhances flexibility in heat pump installation
- **Simpler:** Significantly reduces installation difficulty compared to traditional complex piping systems.
- **Efficiency:** Efficient piping layout minimizes heat loss and ensures optimal heat pump performance.
- **Durable:** Built with high-performance, long-lasting components from renowned brands.
- **Easy to Maintain:** Sturdy metal casing with integrated control system design, reducing damage from human and environmental factors and simplifying maintenance.

Two styles are available to meet your different needs

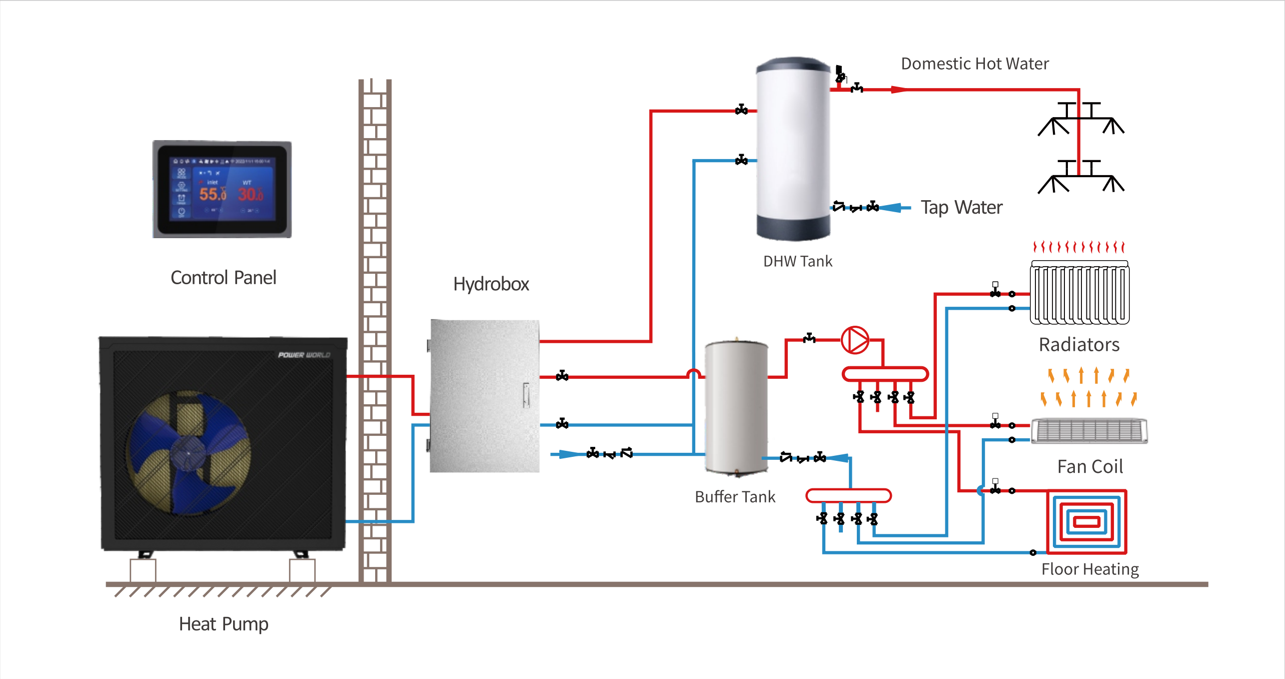


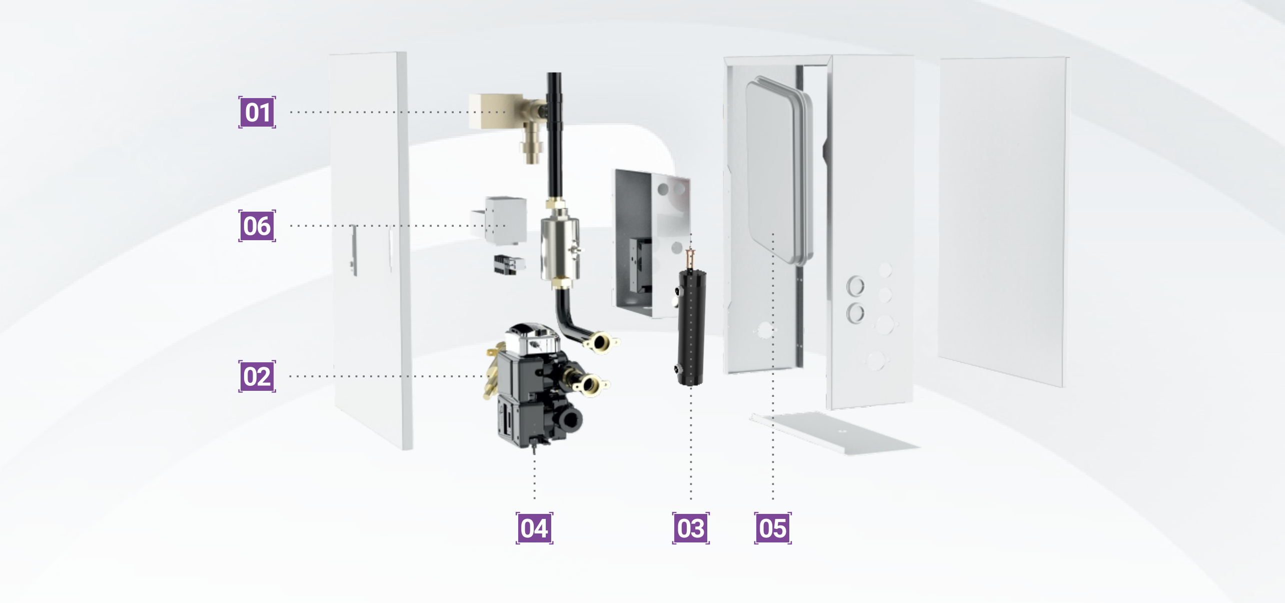
Simplified Ver:
No water pump and filter



Standard Ver

Heat Pump Solution





01
3-Way Valve
(ACOL)

02
Filter
(ACOL)

03
Electric Heater

04
DC Inverter
Water Pump(Shimge)

05
Expansion Tank

06
Leakage Switch

HydroBox (Standard Ver)

Model	PW-03H/S	PW-03H	PW-05H/S	PW-05H
3-Way Valve	ACOL/DN25	ACOL/DN25	ACOL/DN25	ACOL/DN25
Filter	ACOL/DN25	ACOL/DN25	ACOL/DN25	ACOL/DN25
Electric Heater	3kW/220V	3kW/220V	3kW/220V	3kW/220V
DC Inverter Water Pump	Shimge	Shimge	Shimge	Shimge
Max water head(m)	9	9	12	12
Expansion Tank(L)	8L	8L	8L	8L
Diameter of pipe (mm)	DN25	DN25	DN25	DN25
Safety valve(MPa)	0.3	0.3	0.3	0.3
Leakage Switch(A)	Schneider/40A	Schneider/25A	Schneider/50A	Schneider/32A
Cabinet	Galvanized powder coated steel			
Package	Splint/Carton			
Power Supply(V)	230V/1Ph/50-60Hz	380V/3Ph/50-60Hz	230V/1Ph/50-60Hz	380V/3Ph/50-60Hz
Net Weight(kg)	35	35	35	35
Gross Weight(kg)	38	38	38	38
Net Dimension(mm)	700*500*280	700*500*280	700*500*280	700*500*280
Packing Dimension (mm)	760*540*320	760*540*320	760*540*320	760*540*320
Applicable Models	PW030/PW040(Single phase)	PW030/PW040(Three-phase)	PW050/PW060(Single phase)	PW050/PW060(Three-phase)

HydroBox (Simplified Ver)

Model	PW-03H/S	PW-03H	PW-05H/S	PW-05H
3-Way Valve	ACOL/DN25	ACOL/DN25	ACOL/DN25	ACOL/DN25
Electric Heater	3kW/220V	3kW/220V	3kW/220V	3kW/220V
Expansion Tank(L)	8L	8L	8L	8L
Diameter of pipe (mm)	DN25	DN25	DN25	DN25
Safety valve(MPa)	0.3	0.3	0.3	0.3
Leakage Switch(A)	Schneider/40A	Schneider/25A	Schneider/50A	Schneider/32A
Cabinet	Galvanized powder coated steel			
Package	Splint/Carton			
Power Supply(V)	230V/1Ph/50-60Hz	380V/3Ph/50-60Hz	230V/1Ph/50-60Hz	380V/3Ph/50-60Hz
Net Weight(kg)	30	30	30	30
Net Dimension(mm)	700*500*280	700*500*280	700*500*280	700*500*280
Packing Dimension (mm)	760*540*320	760*540*320	760*540*320	760*540*320
Applicable Models	PW030/PW040(Single phase)	PW030/PW040(Three-phase)	PW050/PW060(Single phase)	PW050/PW060(Three-phase)

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.

Water Tank

- Domestic Hot Water Tank
- Buffer Tank

Domestic Hot Water Tank
Buffer Tank

WATER TANK

Various water tanks to meet your diverse water storage needs

Durable
Efficient
Long-Lasting
Customizable
Buffer Tank
Domestic hot water tank

Water Tank

Quality Water Tanks for Residential and Commercial Use.

Features

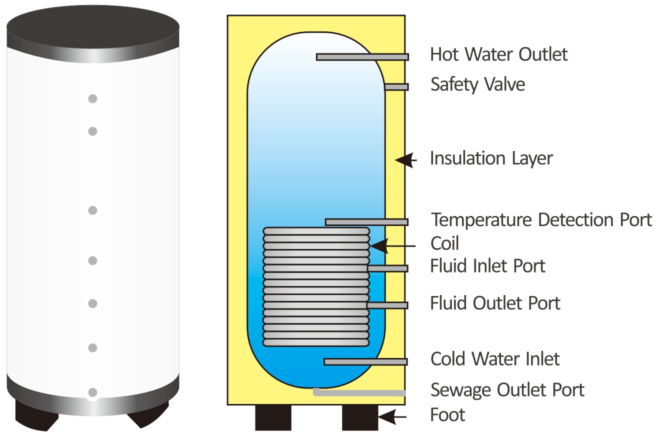
Domestic hot water tank

- Standard ver
- Custom ver: Support customized water tank coil, appearance, inner tank, size.

Buffer Tank

- Standard ver
- Custom ver: Support customized water tank appearance and size.

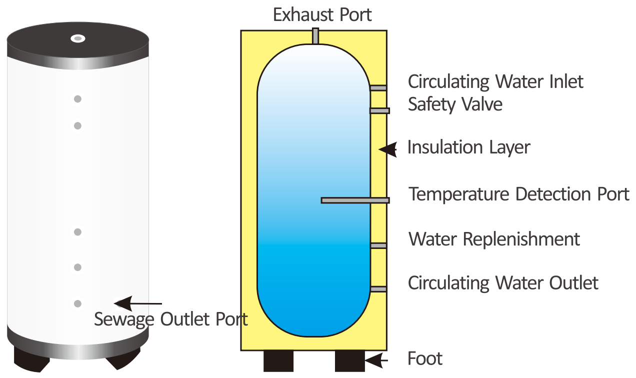
Domestic hot water tank


Hot Water Outlet
Safety Valve
Insulation Layer
Temperature Detection Port
Coil
Fluid Inlet Port
Fluid Outlet Port
Cold Water Inlet
Sewage Outlet Port
Foot

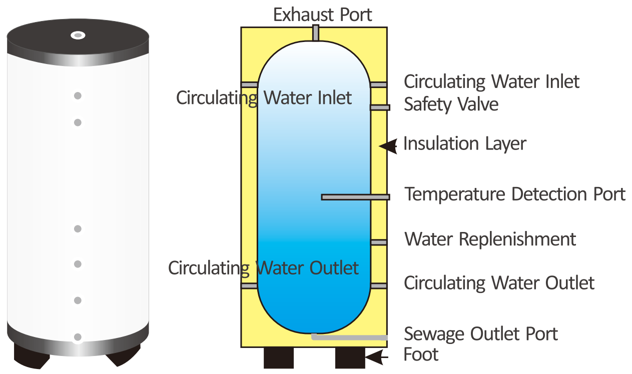
Model	PW-150L	PW-200L	PW-200L-1	PW-250L	PW-300L	PW-300L-1
Tank Volume(L)	150	200	200	250	300	300
Inner Tank material	SUS304	SUS304	SUS304	SUS304	SUS304	SUS304
Inner Tank Thickness(mm)	1.0	1.2	1.2	1.4	1.4	1.4
Shell Material	Color Plate					
Shell Thickness(mm)	0.4	0.4	0.4	0.4	0.4	0.4
Coil Material	SUS304	SUS304	SUS304	SUS304	SUS304	SUS304
Coil Type	Corrugated Pipe	Corrugated Pipe	Corrugated Pipe	Ordinary Pipe	Corrugated Pipe	Corrugated Pipe
Coil Specifications (mm)	ф25mm*15m	ф25mm*20m	ф25mm*20m	ф22mm*22m	ф25mm*20m	ф25mm*30m
Coil Thickness(mm)	0.3	0.3	0.3	1.0	0.3	0.3
Coil Area(㎡)	1.6	2.2	2.2	1.5	2.2	3.3
Cold Water Inlet	G3/4" M					
Hot Water Outlet	G3/4" M					
Circulating Water Inlet	G1" M	G1" M	G1" M	G3/4" M	G1" M	G1" M
Circulating Water Outlet	G1" M	G1" M	G1" M	G3/4" M	G1" M	G1" M
Water Return	G3/4" M	G3/4" F	G3/4" F	G3/4" M	G3/4" M	G3/4" F
Electric Heater Port	/	/	G1" F	/	/	G1" F
Electric Heater (KW)	/	/	3kW	/	/	3kW
Temperature Detection Port	G1/4" F					
Anode Rod	G3/4" F					
P/T Valve Port	/	G3/4" F			/	G3/4" F
Sewage Outlet Port	G3/4" M					
Working Pressure Bar	8	8	8	8	8	8
Insulation Layer	Polyurethane					
Insulation Layer Thickness(mm)	50			45		
Product Size(mm)	ф470*1525	ф520*1575	ф520*1575	ф560*1605	ф560*1885	ф560*1885
Package Size(mm)	540*540*1530	595*595*1590	595*595*1590	630*630*1670	630*630*1950	630*630*1950

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.

Buffer Tank


Exhaust Port
Circulating Water Inlet
Safety Valve
Insulation Layer
Temperature Detection Port
Water Replenishment
Circulating Water Outlet
Sewage Outlet Port
Foot

One In And One Out


Exhaust Port
Circulating Water Inlet
Circulating Water Inlet
Safety Valve
Insulation Layer
Temperature Detection Port
Water Replenishment
Circulating Water Outlet
Circulating Water Outlet
Sewage Outlet Port
Foot

Two In And Two Out

Model	PWB-40L	PWB-60L	PWB-80L	PWB-100L	PWB-100L-1	PWB-100L-2	PWB-200L	PWB-250L
Tank Volume(L)	40	60	80	100	100	100	200	250
Inner Tank Material	SUS304	SUS304	SUS304	SUS304	SUS304	SUS304	SUS304	SUS304
Inner Tank Thickness(mm)	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.4
Shell Material	Color Plate							
Shell Thickness(mm)	0.4							
Circulating Water Inlet Port	G6/4" F	G6/4" F	G6/4" F	G1" F	G1" F	G6/4" F	G1" F	G1" F
Circulating Water Outlet Port	G6/4" F	G6/4" F	G6/4" F	G1" F	G1" F	G6/4" F	G1" F	G1" F
Water Filling Port	/	G1/2" M	G3/4" F					
Exhaust Port	G1/2" F							
Electric Heater Port	/	/	/	/	G1" F	/	/	/
Electric Heater(KW)	/	/	/	/	3kW	/	/	/
Temperature Detection Port	/	G1/4" F						
Safety Valve Port	/	/	G1/2" M	G1/2" F				
Sewage Outlet Port	G1/2" M	G1/2" M	G3/4" M					
Working Pressure Bar	8	8	8	8	8	8	8	8
Insulation Layer	Polyurethane							
Insulation Layer Thickness(mm)	50							45
Product Size(mm)	ф470*555	ф470*705	ф470*915	ф470*1085	ф470*1085	ф470*1085	ф520*1575	ф560*1605
Package Size(mm)	540*540*570	540*540*720	540*540*990	540*540*1100	540*540*1100	540*540*1100	595*595*1590	630*630*1670

Note: The data above is for reference only,please refer to the nameplate on the unit if for more specific data.

GLOBAL INSTALLATION CASES

GLOBAL INSTALLATION CASES

POWER WORLD

GLOBAL INSTALLATION CASES

GLOBAL INSTALLATION CASES